



Application
Number

Submit

IDS Flag Clearance for Application 09237466

IDS
Information

Content	Mailroom Date	Entry Number	IDS Review	Last Modified	Reviewer
M844	1999-05-28	60	Y <input checked="" type="checkbox"/>	2004-11-02 11:31:45.0	ewarren
M844	1999-05-28	8	Y <input checked="" type="checkbox"/>	2001-06-17 19:50:34.0	EXPO-CONV
Update					

Green, Shirelle

205627

From: ANH LY [anh.ly@uspto.gov]
Sent: Wednesday, October 25, 2006 7:42 AM
To: STIC-EIC2100
Subject: Database Search Request, Serial Number: 09237466

Please Scan it
Thank - me

108

Requester:

ANH LY (P/2162)

Art Unit:

GROUP ART UNIT 2162

Employee Number:

77831

Office Location:

RND 03A39

Phone Number:

(571)272-4039

Mailbox Number:

Case serial number:

09237466

Class / Subclass(es):

707/100

Earliest Priority Filing Date:

01/27/1998

Format preferred for results:

Paper

Search Topic Information:

a tabulating the messages so as to align corresponding message content fields; , displaying the tabulated message, filtering selected message content fields to remove repeated incidences of the same content and displaying a list of field contents for each message content field, wherein the list is sorted in a desired order. (see claims 3 and 4) (Note that: it is a kind of spreadsheet or excel containing all data link messages being formatted digital data sequences, where the message including a message type and message content field)

Special Instructions and Other Comments:

RECEIVED
OCT 25 2006
BY: *AS*

Set	Items	Description
S1	3317872	SPREADSHEET? ? OR INDEX?? OR TABLE OR GRID? ? OR CHART? ? OR TABULATION OR (DATA OR PRESENTATION OR DISPLAY)()(MATRIX?? OR MATRICES OR MEDIUM? ? OR MEDIA OR STRUCTURE? ? OR FRAMEWORK? ? OR PLAN? ?)
S2	232035	S1(100N)(DATAFIELD? ? OR TAG? ? OR LABEL? ? OR FIELD? ? OR ELEMENT? ? OR DATA()ITEM? ? OR FIELDNAME? ?)
S3	312649	DELET? OR ERAS? OR PURG? OR DEDUP??? OR (REMOV??? OR TAK???())OUT)(3N)(DUPLICATE? ? OR COPY OR COPIES OR SAME OR MATCH??? OR REDUNDAN? OR MULTIPLE? ? OR IDENTICAL OR DOUBL??)
S4	16051686	SORT??? OR TABULATE OR RANK? OR INDEX? OR CLASSIF? OR CATALOG??? OR ORDER??? OR ARRANG???? OR CATEGORIZ???? CATEGORIS???? OR GROUP??? OR ORGANIZ??? OR ORGANIS???
S5	2292438	(MESSAGE? ? OR DATA OR DATUM OR FILE OR INFORMATION OR DOCUMENT OR RECORD OR ENTIT??? OR CONTENT OR OBJECT? ?)(10N)(TABULAT? OR AGGREGAT??? OR AGGRAGAT??? OR COLLECT??? OR GROUP? OR CLUSTER? OR BUNDL? OR SYNTHESIS OR DERIV? OR BATCH?? OR BLOC OR CATEGORY OR SET)
S6	7402	S2(5N)(S3 AND S4)
S7	1432	S5(50N)S6
S8	1356545	S SPREADSHEET? ? OR INDEX?? OR (DATA)()(MATRIX?? OR MATRICES OR STRUCTURE? ? OR FRAMEWORK? ? OR TABLE OR CHART? ?)
S9	79347	S S8(100N)(DATAFIELD? ? OR TAG? ? OR LABEL? ? OR FIELD? ? OR ELEMENT? ? OR DATA()ITEM? ? OR FIELDNAME? ?)
S10	5455	S S9(5N)(S3 AND S4)
S11	1432	S S5(50N)S6
S12	989	S S5(50N)S10
S13	312649	S DELET? OR ERAS? OR PURG? OR DEDUP??? OR (REMOV??? OR TAK???())OUT)(3N)(DUPLICATE? ? OR COPY OR COPIES OR SAME OR MATCH??? OR REDUNDAN? OR MULTIPLE? ? OR IDENTICAL OR DOUBL??)
S14	210469	S SPREADSHEET? ? OR (DATA)()(MATRIX?? OR TABLE OR CHART? ?)
S15	15536	S S14(50N)(DATAFIELD? ? OR TAG? ? OR LABEL? ? OR FIELD? ? OR ELEMENT? ? OR DATA()ITEM? ? OR FIELDNAME? ?)
S16	1687	S S15(5N)(S13 OR S4)
S17	336	S S5(50N)S16
S18	1319133	S (MESSAGE? ? OR DATA OR DATUM OR FILE? ? OR INFORMATION OR DOCUMENT? ? OR RECORD? ? OR ENTIT??? OR CONTENT OR OBJECT? ?)(10N)(TABULAT? OR AGGREGAT??? OR AGGRAGAT??? OR GROUP? OR CLUSTER? OR BATCH?? OR CATEGORY)
S19	251	S S18(50N)S16
S20	9801	S S14(25N)(DATAFIELD? ? OR TAG? ? OR LABEL? ? OR FIELD? ? OR ELEMENT? ? OR DATA()ITEM? ? OR FIELDNAME? ?)
S21	691	S S20(5N)(S13 OR S4)
S22	77	S S18(25N)S21
S23	66	S S22 NOT PY=1999:2006
S24	51	RD (unique items)
S25 51		SORT S24/ALL/PY

[File 275] Gale Group Computer DB(TM) 1983-2006/Nov 02

[File 621] Gale Group New Prod. Annou.(R) 1985-2006/Nov 01

[File 636] Gale Group Newsletter DB(TM) 1987-2006/Nov 02

[File 16] Gale Group PROMT(R) 1990-2006/Nov 02

[File 160] Gale Group PROMT(R) 1972-1989

[File 148] Gale Group Trade & Industry DB 1976-2006/Nov 02

[File 624] **McGraw-Hill Publications** 1985-2006/Nov 02
[File 15] **ABI/Inform(R)** 1971-2006/Nov 02
[File 647] **CMP Computer Fulltext** 1988-2006/Dec W4
[File 674] **Computer News Fulltext** 1989-2006/Sep W1

Higher relevance

25/3,K/5 (Item 5 from file: 275) [Links](#)

Gale Group Computer DB(TM)

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01244649 **Supplier Number:** 06683895 (Use Format 7 Or 9 For FULL TEXT)

Listings: Lotus-compatible software products.

Koerner, Katherine

Lotus , v4 , n5 , p120(4)

May , 1988

ISSN: 8756-7334

Language: ENGLISH **Record Type:** FULLTEXT

Word Count: 1786 **Line Count:** 00145

...95014, 408-253-9600. Lets you analyze data and create reports within 1-2-3. Report/Print View creates standard and customized reports and mailing labels. Cross Tabulation View tabulates records for data analysis. Table View arranges records and fields in any order without affecting the data in the spreadsheet. Form View shows database records in a form instead of column format. Add-in for 1-2-3 Release 2 and 2.01 occupies 110K

25/3,K/11 (Item 11 from file: 647) [Links](#)

CMP Computer Fulltext

(c) 2006 CMP Media, LLC. All rights reserved.

00574926 **CMP Accession Number:** UNX19900402S2751

Canonizer: A Tool Designed For Pros - Normalizing Databases Is Its Forte, But It's Not For Novices

JULIE ANDERSON

UNIX TODAY , 1990 , n 042 , 35

Publication Date: 900402

Journal Code: UNX **Language:** English

Record Type: Fulltext

Section Heading: TEC

Word Count: 1806

...the Canonizer uses the term "view," it is not the same concept as a view in SQL. A view in the Canonizer is merely another spreadsheet, a way of separating data items into logical groups.

The Canonizer does not generate SQL CREATE VIEW statements.

There are two ways to define data items: you can enter each item manually or use SQL Converter. Entering each item manually is painfully tedious. You move to an empty cell, choose "add..."

25/3,K/24 (Item 24 from file: 148) [Links](#)

Gale Group Trade & Industry DB

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05847703 **Supplier Number:** 12044060 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Saber offers new version of C programming for Unix. (Software: New Products)

Government Computer News , v11 , n7 , p72(2)

March 30 , 1992

ISSN: 0738-4300

Language: ENGLISH

Record Type: FULLTEXT

Word Count: 1175 **Line Count:** 00099

...reports from databases created with Ashton-Tate Corp.'s dBase IV and the Santa Cruz Operation's FoxBase+. Other features of the \$495 product include spreadsheet calculations, sorting and grouping records in any order and keying on database fields.

Concentric Data Systems Inc., 110 Turnpike Road, Westborough, Mass. 01581; tel. 800-325-9035.

SAS Institute has announced a new release of its System 2000 data management...

25/3,K/29 (Item 29 from file: 275) [Links](#)

Gale Group Computer DB(TM)

(c) 2006 The Gale Group. All rights reserved.

01605868 **Supplier Number:** 13885521 (Use Format 7 Or 9 For FULL TEXT)

SpreadBase. (Objective Software's SpreadBase 1.01 data analysis software) (Software Review) (New on the Menu: Reviews) (Evaluation)

Benjamin, Louis E., Jr.

MacUser , v9 , n7 , p58(2)

July , 1993

Document Type: Evaluation

ISSN: 0884-0997

Language: ENGLISH **Record Type:** FULLTEXT; ABSTRACT

Word Count: 1370 **Line Count:** 00114

Category-Based Modeling

SpreadBase pioneers a new approach to data analysis. Called category-based modeling, this approach simplifies the process of model manipulation by organizing individual data items into categories (Products, Regions, and Planned Sales, for example) rather than assigning them to individual cells the way spreadsheet programs do. SpreadBase then associates the categories with fields in an underlying database.

This method greatly reduces the level of detail you must deal with as you manipulate models, because you work with rules...

25/3,K/34 (Item 34 from file: 275) [Links](#)

Gale Group Computer DB(TM)

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01681323 **Supplier Number:** 15027378 (Use Format 7 Or 9 For FULL TEXT)

Common Knowledge's PIM lets you Arrange information: program integrates many tools for organizing and linking data. (Arrange personal information management system) (includes related article on competing PIM applications) (Software Review) (Evaluation)

Rubin, Ross Scott

MacWEEK , v8 , n3 , p35(2)

Jan 17 , 1994

Document Type: Evaluation

ISSN: 0892-8118

Language: ENGLISH **Record Type:** FULLTEXT; ABSTRACT

Word Count: 1958 **Line Count:** 00155

...let users structure their own personal information managers, Common Knowledge Inc. last month released Arrange, a flexible and customizable organizational tool. The \$229 PIM borrows elements from databases, spreadsheets, outliners and other information managers.

Taking note

The building blocks of Arrange documents are notes, which are groups of fields similar to records in databases. But unlike databases, which have the same number of fields in every record, Arrange lets you add or remove fields on a note...

Subject summary

25/3,K/1 (Item 1 from file: 160) [Links](#)

Gale Group PROMT(R)

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01491945

Bell Atlantic tests the micro software waters.

COMPUTERWORLD November 3, 1986 p. 17,22

...spreadsheet users. MVP Spreadsheet Plus, originally developed with Gardner Computing for Bell Atlantic's internal use, uses English language commands. The software, targeted at work groups in corporations, allows data to be easily shared by sorting data from one spreadsheet and putting it under matching labels in another spreadsheet. Bell Atlantic offers MVP Model Compiler with MVP Spreadsheet Plus to allow third-party developers to build custom applications around MVP Spreadsheet Plus. Bell Atlantic will market the software directly to endusers and will offer an unlimited site license with it.

25/3,K/2 (Item 2 from file: 275) [Links](#)

Gale Group Computer DB(TM)

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01177729 Supplier Number: 04316847 (Use Format 7 Or 9 For FULL TEXT)

Fiat-file databases. (Software Review) (evaluation)

Krasnoff, Barbara

PC Magazine , v5 , n14 , p269(23)

Aug , 1986

Document Type: evaluation

ISSN: 0888-8507

Language: ENGLISH **Record Type:** FULLTEXT; ABSTRACT

Word Count: 13991 **Line Count:** 01070

...you can have more than one view on-screen at a time by splitting the screen into windows.

The most unique view is Crosstab. Part spreadsheet and part report generator, it enables you to cross tabulate on numeric fields. The view categorizes the data and then summarizes the information in a tabular format. With it you can calculate sums, averages, counts, maxs and mins, standard deviation, and variance. You...

25/3,K/3 (Item 3 from file: 275) [Links](#)

Gale Group Computer DB(TM)

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01207442 Supplier Number: 04749485 (Use Format 7 Or 9 For FULL TEXT)

SuperCalc4. (Software Review) (graphics software on display: integrated software) (evaluation)

Brown, Bruce

PC Magazine , v6 , n5 , p142(2)

March 10 , 1987

Document Type: evaluation

ISSN: 0888-8507

Language: ENGLISH **Record Type:** FULLTEXT; ABSTRACT

Word Count: 994 **Line Count:** 00078

...other formats. You don't have to leave SuperCalc4 to import data files--a real convenience. And SuperCalc4's data management function allows you to sort, select, or extract desired data items for display.

SuperCalc4 displays data in familiar spreadsheet columns and rows. You use the program's menus to choose up to ten data groups for display, view different graph types, save the graph as a part of the spreadsheet file, and print it. If you want to change your...

25/3,K/4 (Item 4 from file: 621) [Links](#)

Gale Group New Prod.Annou.(R)

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01050720 Supplier Number: 40150236 (USE FORMAT 7 FOR FULLTEXT)

BUSINESS WEEK INTRODUCES EXPANDED MUTUAL FUND SCOREBOARD DISKETTE

PR Newswire , p N/A

August 31 , 1987

Language: English **Record Type:** Fulltext

Document Type: Newswire ; Trade
Word Count: 452

...select, rank, total, average, and print information. All data is easily converted into Lotus 1-2-3 or ASCII files to work with other popular **spreadsheet**, word processing, and graphics software programs. The diskette supports multiple search and **sort** criteria on over 25 "screenable" **information fields** for individual or selected **groups** of equity funds.

The BUSINESS WEEK MUTUAL FUND SCOREBOARD Diskette has two pricing plans depending on the user's information needs. For those who need

...

...

25/3,K/6 (Item 6 from file: 275) [Links](#)
Gale Group Computer DB(TM)
(c) 2006 The Gale Group. All rights reserved.
01286157 **Supplier Number:** 07280223 (Use Format 7 Or 9 For FULL TEXT)
Freelance Plus 3.0 adds data links, device-specific preview. (Software Review) (graphics software from Lotus Development Corp.) (evaluation)
Flynn, Mary Kathleen
PC Magazine , v8 , n4 , p33(2)
Feb 28 , 1989
Document Type: evaluation
ISSN: 0888-8507
Language: ENGLISH **Record Type:** FULLTEXT; ABSTRACT
Word Count: 733 **Line Count:** 00058
Abstract: ...for the variables chosen on the output device. Support for printers, presentation hardware and file formats is wide-ranging. A Datalinks feature dynamically links a **spreadsheet** file to a chart. Four new types of charts are added. Customizability as well as control over style **elements** is increased. A Portfolio feature **groups** and orders 100 **files** for printing, previewing and storing graphics, and a Screen Show feature provides snazzy special graphical effects. The user interface can be convoluted.

25/3,K/7 (Item 7 from file: 621) [Links](#)
Gale Group New Prod.Annou.(R)
(c) 2006 The Gale Group. All rights reserved.
01116684 **Supplier Number:** 40879004 (USE FORMAT 7 FOR FULLTEXT)
EASY ACCESS TO MAINFRAME DATA PROVIDED BY MACINTOSH SOLUTION
News Release , p 1
July 31 , 1989
Language: English **Record Type:** Fulltext
Document Type: Magazine/Journal ; Trade
Word Count: 991

...said Luther Nussbaum, Ashton-Tate's president and chief operating officer.

For example, a Vice President of Sales could obtain the latest results by product **group** by territory from a mainframe computer tracking transactions. The **information** could be **organized** into a monthly report with **spreadsheets**, graphics and text **elements** automatically updated by a single mouse click on the Macintosh. The combination of Full Impact and Clear Access macro capability will make the process invisible...

25/3,K/8 (Item 8 from file: 148) [Links](#)
Gale Group Trade & Industry DB
(c)2006 The Gale Group. All rights reserved.
04135848 **Supplier Number:** 07942269 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Culture 1.0: creating a cultural workstation. (computer program) (evaluation)
Vaccaro, Bill
Computers in Libraries , v9 , n8 , p42(4)
Sept , 1989

Document Type: evaluation
ISSN: 1041-7915
Language: ENGLISH
Record Type: FULLTEXT
Word Count: 4080 **Line Count:** 00329

...Johnson and Harriett H. Johnson (Meckter, 1989. 180p. \$24.50). The Johnsons discuss using the Macintosh for document production, describing various programs - word processing, graphics, **spreadsheet**, database, and page make-up - and how they can be employed either individually or in combination. Examples are from the field of librarianship.

Index of Desktop Publishing (Articles & Books) (Brenner Information Group, 1989. 145p. \$14.95). This new index covers more than eighty trade and general periodicals as well as a series of books and fests items...

25/3,K/9 (Item 9 from file: 148) [Links](#)
Gale Group Trade & Industry DB
(c)2006 The Gale Group. All rights reserved.
04058850 **Supplier Number:** 07471950 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Easy access to mainframe data provided by Macintosh solution. (Clear Access for Full Impact) (product announcement)
PR Newswire , 0731LA009
July 31 , 1989
Document Type: product announcement
Language: ENGLISH
Record Type: FULLTEXT
Word Count: 1117 **Line Count:** 00096

...said Luther Nussbaum, Ashton-Tate's president and chief operating officer.

For example, a vice president of sales could obtain the latest results by product **group** by territory from a mainframe computer tracking transactions. The **information** could be **organized** into a monthly report with **spreadsheets**, graphics and text **elements** automatically updated by a single mouse click on the Macintosh. The combination of Full Impact and Clear Access macro capability will make the process invisible...

25/3,K/10 (Item 10 from file: 275) [Links](#)
Gale Group Computer DB(TM)
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01347061 **Supplier Number:** 08111890 (Use Format 7 Or 9 For FULL TEXT)
Lotus to ship Symphony upgrade. (product announcement)
Lotus , v6 , n2 , p16(1)
Feb , 1990
Document Type: product announcement
ISSN: 8756-7334
Language: ENGLISH **Record Type:** FULLTEXT
Word Count: 401 **Line Count:** 00032

...dBase's DBF format, you can also create, edit, and use dBase files from within Symphony Release 2.2. @Base lets you develop database queries, sort databases on any number of **fields**, produce cross-tabulated reports, and easily transfer **data** between @Base and Symphony for analysis.

Symphony Release 2.2 will also incorporate the Allways **spreadsheet-publishing** add-in, previously available as a separate program. Tighter integration means that you can, for example, edit cells directly from within Symphony Release 2...

25/3,K/12 (Item 12 from file: 647) [Links](#)
CMP Computer Fulltext
(c) 2006 CMP Media, LLC. All rights reserved.
00572395 **CMP Accession Number:** UNX19900402S0211
Canonizer: A Tool Designed For Pros - Normalizing Databases Is Its Forte, But It's Not For Novices
JULIE ANDERSON

UNIX TODAY , 1990 , n 042 , 35
Publication Date: 900402
Journal Code: UNX **Language:** English
Record Type: Fulltext
Section Heading: TECHNOLOGY
Word Count: 1806

...the Canonizer uses the term "view," it is not the same concept as a view in SQL. A view in the Canonizer is merely another **spreadsheet**, a way of separating **data items** into logical **groups**. The Canonizer does not generate SQL CREATE VIEW statements.

There are two ways to define **data items**: you can enter each item manually or use SQL Converter. Entering each item manually is painfully tedious. You move to an empty cell, choose "add..."

25/3,K/13 (Item 13 from file: 15) [Links](#)
ABI/Inform(R)
(c) 2006 ProQuest Info&Learning. All rights reserved.
00499374 90-25131
Capacity/Inventory Planning Using a Spreadsheet
Parekh, Rajen
Production & Inventory Management v31n1 pp: 1-3
First Quarter 1990
ISSN: 0032-9843 **Journal Code:** PIM
Abstract:

...segregates finished goods by product group, family, and style. After the products are grouped, the products that should be master scheduled are listed within each **group**. Six **data fields** are fixed and must be provided when the **spreadsheet** is set, while 4 others are variables that the user manipulates for what-if simulation. Once the 4 variables are assigned, the format projects inventory...

25/3,K/14 (Item 14 from file: 275) [Links](#)
Gale Group Computer DB(TM)
(c) 2006 The Gale Group. All rights reserved.
01446943 **Supplier Number:** 11167231 (Use Format 7 Or 9 For FULL TEXT)
Daniel Gasteiger on spreadsheets. (Pro Tips) (tutorial)
Gasteiger, Daniel
PC-Computing , v4 , n9 , p240(1)
Sept , 1991
Document Type: tutorial
ISSN: 0899-1847
Language: ENGLISH **Record Type:** FULLTEXT
Word Count: 269 **Line Count:** 00024
Text:

Want to extract a **group of records** from a **spreadsheet**-oriented database without specifying exact matches? Use your **spreadsheet's** FIND function within a database query to locate short strings of characters within long **fields**. To prepare a mailing list to all associations stored in an address database, for example, use FIND and /Data Query Extract. Or use FIND to...

25/3,K/15 (Item 15 from file: 275) [Links](#)
Gale Group Computer DB(TM)
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01422401 **Supplier Number:** 09749267 (Use Format 7 Or 9 For FULL TEXT)
50 ways to improve your graphs; the Release 3.x Graph menu gives you more control and efficiency.
Saul, Ken
Lotus , v7 , n1 , p44(7)
Jan , 1991
ISSN: 8756-7334
Language: ENGLISH **Record Type:** FULLTEXT; ABSTRACT
Word Count: 3903 **Line Count:** 00279

...can assign data labels to all the data ranges at once, instead of using the one-range-at-a-time approach. After you specify the **group range**, 1-2-3 asks you to indicate whether the **data labels** are

arranged in columns or in rows. Figure 6 shows a graph with data labels. Here the division labels from range B2..B7 of the spreadsheet identify each bar.

Advanced Options

Selecting Options Advanced brings up a menu that controls colors and hatch patterns for the data ranges, as well as...

25/3,K/16 (Item 16 from file: 275) [Links](#)

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01416598 Supplier Number: 09780787 (Use Format 7 Or 9 For FULL TEXT)

RoundTrip's 2-way data integration. (CFO Reporting Systems Inc.'s RoundTrip 2.0 program development software) (Software Review) (First Looks) (evaluation)

Stinson, Craig

PC Magazine , v10 , n3 , p48(1)

Feb 12 , 1991

Document Type: evaluation

ISSN: 0888-8507

Language: ENGLISH Record Type: FULLTEXT; ABSTRACT

Word Count: 433 Line Count: 00035

...out of report files. You can consolidate spreadsheets with it and spread consolidated files into subsidiary worksheets.

Input sources can be used to update existing spreadsheets or to create entirely new ones. Data can be aggregated and sorted on up to 15 fields. You can choose to process all input data or only records meeting specified criteria. In creating output worksheets, the system can automatically accommodate variable numbers...

25/3,K/17 (Item 17 from file: 15) [Links](#)

ABI/Inform(R)

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00546774 91-21119

End-User Training: Needs Improvement

Rifkin, Glenn

Computerworld v25n15 pp: 73-74

Apr 15, 1991

ISSN: 0010-4841 Journal Code: COW

Word Count: 1486

Text:

...10 units within corporate headquarters, and if it is successful, it will be expanded to the rest of the company.

* Users train users at Rogers Group, Inc. The Nashville-based mining company runs an information center that handles in-house training for DOS-based word processing, spreadsheets, graphics and other applications.

However, Rogers Group also has 35 field sites between Birmingham, Ala., and Sandusky, Ohio, and must offer training to employees at those locations. The company is downsizing its entire computer operation, moving...

25/3,K/18 (Item 18 from file: 636) [Links](#)

Gale Group Newsletter DB(TM)

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01957258 Supplier Number: 43473162 (USE FORMAT 7 FOR FULLTEXT)

Manzi Keynote Sets Groupware Tone At Canadian Show 11/23/92

Newsbytes , p N/A

Nov 23 , 1992

Language: English Record Type: Fulltext

Document Type: Newswire ; General Trade

Word Count: 307

...not a new theme for Manzi, who said many of the same things at his company's 10th annual meeting this spring in Boston. One element new since that speech was the promise that the next release of Lotus' 1-2-3 for Windows spreadsheet software will incorporate Lotus' "group-enabling" Chronicle technology.

Chronicle will enable data sharing at a level below that of

distributing files, Manzi said, allowing users to share single cells or groups of cells across networks.

The same technology will be incorporated into Lotus's Ami Pro word processing software for Windows later on, Manzi added.

Manzi...

25/3,K/19 (Item 19 from file: 636) [Links](#)

Gale Group Newsletter DB(TM)

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01857549 Supplier Number: 43186358 (USE FORMAT 7 FOR FULLTEXT)

Microsoft upgrades Works and Project for the Macintosh

Computer Product Update , p N/A

July 31 , 1992

Language: English Record Type: Fulltext

Document Type: Magazine/Journal ; Trade

Word Count: 751

...and view information in various formats by using the customisable views, menus, tables and charts facility. Editing features enable users to automatically change a data field, create a custom title, change alignment or select best fit by double clicking on a column heading in the spreadsheet. Users can update information for groups of tasks or resources using a single form.

Users can print calendar pages displaying scheduled tasks as bars spanning the dates, for individuals, groups or projects. Up to 28 pages of a document or chart can be viewed prior to printing. Horizontal and vertical scrolling enable Gannt or Pert charts to be previewed. Project 3.0 features fit...

25/3,K/20 (Item 20 from file: 275) [Links](#)

Gale Group Computer DB(TM)

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01548961 Supplier Number: 13070063 (Use Format 7 Or 9 For FULL TEXT)

Manzi keynote sets groupware tone at Canadian show. (Lotus Development Corp.'s president and CEO Jim Manzi) (Canadian Computer Show)

Buckler, Grant

Newsbytes , NEW11230024

Nov 23 , 1992

Language: ENGLISH Record Type: FULLTEXT

Word Count: 332 Line Count: 00025

...not a new theme for Manzi, who said many of the same things at his company's 10th annual meeting this spring in Boston. One element new since that speech was the promise that the next release of Lotus' 1-2-3 for Windows spreadsheet software will incorporate Lotus' "group-enabling" Chronicle technology.

Chronicle will enable data sharing at a level below that of distributing files, Manzi said, allowing users to share single cells or groups of cells across networks.

The same technology will be incorporated into Lotus's Ami Pro word processing software for Windows later on, Manzi added.

Manzi...

25/3,K/21 (Item 21 from file: 15) [Links](#)

ABI/Inform(R)

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00649081 92-64021

Symphony 3.0 Targeted at DOS Holdouts

Marshall, Patrick

InfoWorld v14n45 pp: 106-110

Nov 9, 1992

ISSN: 0199-6649 Journal Code: IFW

Word Count: 2296

Text:

...the Form view or in list format in the Spreadsheet environment. You can also query the database and sort records from either the Form or Spreadsheet environments. In addition Symphony allows you to sort by up to three fields simultaneously.

The program does have some notable holes. You cannot, for example, create look-up tables for data entry, set fields as requiring entry, or perform group updates (similar to a Change All command in a word processor) on records. On the positive side, however, Symphony does let you protect data fields...

25/3,K/22 (Item 22 from file: 15) [Links](#)

ABI/Inform(R)

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00626434 92-41536

ITT Hartford Struts Spreadsheet Solution

Hamilton, Rosemary

Computerworld v26n23 pp: 66

Jun 8, 1992

ISSN: 0010-4841 Journal Code: COW

Word Count: 519

Text:

...menus and screens.

Delivering the spreadsheet function via All-In-1 has boosted the productivity of some users who would not have previously used a spreadsheet, Annis said.

One example is the field sales staff. Typically, this group completes the preunder-writing, work for insurance policies, which involves getting basic information and then forwarding it to the home office staff. This group would then develop proposals and rates for the policy.

Field salespeople are now provided with "canned spreadsheets," which are essentially worksheets they can use in...

25/3,K/23 (Item 23 from file: 148) [Links](#)

Gale Group Trade & Industry DB

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06190116 Supplier Number: 12917240 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Symphony 3.0 targeted at DOS holdouts; character-based integrated package has sharp features. (Software Review) (Lotus Development Corp. Symphony) (Evaluation)

Marshall, Patrick

InfoWorld , v14 , n45 , p106(3)

Nov 9 , 1992

Document Type: Evaluation

ISSN: 0199-6649

Language: ENGLISH

Record Type: FULLTEXT; ABSTRACT

Word Count: 2607 Line Count: 00215

...the Form view or in list format in the Spreadsheet environment. You can also query the database and sort records from either the Form or Spreadsheet environments. In addition, Symphony allows you to sort by up to three fields simultaneously.

The program does have some notable holes. You cannot, for example, create look-up tables for data entry, set fields as requiring entry, or perform group updates (similar to a Change All command in a word processor) on records. On the positive side, however, Symphony does let you protect data fields...

25/3,K/25 (Item 25 from file: 636) [Links](#)

Gale Group Newsletter DB(TM)

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02103753 Supplier Number: 43893169 (USE FORMAT 7 FOR FULLTEXT)

LaserData Document Management For PCs, LANs 06/08/93

Newsbytes , p N/A

June 8 , 1993

Language: English Record Type: Fulltext

Document Type: Newswire ; General Trade

Word Count: 244

GroupFile reportedly is fully functional right out of the box and can be

easily customized by users to match individual work styles. **GroupFile's** document management functions capture, organize, display, manipulate and store documents of any type, including scanned images, word processing files, graphics, spreadsheets and database information.

GroupFile is said to include such easy-to-use features as built-in document filing hierarchies and indexing fields, and to provide multiple search methods for quickly retrieving documents. User-defined "hot links" can be created to electronically bond documents and facilitate navigation through a collection of associated documents. **GroupFile** is said to have an intuitive graphical user interface based on the Microsoft Windows environment. **GroupFile** applications are scalable and easy-to-integrate with corporate...

25/3,K/26 (Item 26 from file: 275) [Links](#)

Gale Group Computer DB(TM)

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01616580 Supplier Number: 13955907 (Use Format 7 Or 9 For FULL TEXT)

12 hard-working report writers. (evaluation of database report writers for Windows) (includes related articles on tips for using products, selection of report writers and Windows Sources Experts' Pick) (Evaluation)

Watterson, Karen

Windows Sources , v1 , n6 , p261(18)

July , 1993

Document Type: Evaluation

ISSN: 1065-9641

Language: ENGLISH Record Type: FULLTEXT; ABSTRACT

Word Count: 8221 Line Count: 00648

...the data you want to correlate. Data Pivot will display the crosstab report with categories, but no data--you have to select the source data fields, then click the report-data icon.

To combine data from two spreadsheet columns--in order to create categories for age groups by sex, for example--use the paper clip (or grouping) icon. You can then export Data Pivot reports as ASCII or spreadsheet files, or to FrameMaker (reviewed in this issue).

Overall, Data Pivot is an excellent cross-platform tool for consolidating...

25/3,K/27 (Item 27 from file: 275) [Links](#)

Gale Group Computer DB(TM)

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01614557 Supplier Number: 14336666 (Use Format 7 Or 9 For FULL TEXT)

Prism modeler update refines data handling. (Comshare Inc.'s Prism 1.1 spreadsheet) (Product Announcement)

Ferranti, Marc

PC Week , v10 , n34 , p31(1)

August 30 , 1993

Document Type: Product Announcement

ISSN: 0740-1604

Language: ENGLISH Record Type: FULLTEXT; ABSTRACT

Word Count: 533 Line Count: 00041

Abstract: ...Development Corp, but it is marketing Prism to users with very big business models. Prism allows users to label categories of information and utilize the labels in English-language-based formulas. Users can also cross-tabulate data by accessing various categories of data into the common row-and-column spreadsheet format.

...with very large business models, according to Comshare officials in Ann Arbor, Mich.

Like Improv, Prism lets users label categories of data and use those labels in English-language formulas.

Prism also lets users cross-tabulate data by calling up different categories of data into the familiar row-and-column spreadsheet format. In a business model, users can mix and match data for different time periods and different products and compare actual, budget, and forecast plans...

25/3,K/28 (Item 28 from file: 275) [Links](#)

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01607007 Supplier Number: 14018437 (Use Format 7 Or 9 For FULL TEXT)

LaserData document management for PCs, LANs.(local area networks) (GroupFile for Windows software) (Product Announcement)

Zientara, Marguerite
Newsbytes , NEW06080010
June 8 , 1993
Document Type: Product Announcement
Language: ENGLISH **Record Type:** FULLTEXT
Word Count: 274 **Line Count:** 00023

GroupFile reportedly is fully functional right out of the box and can be easily customized by users to match individual work styles.'

GroupFile's document management functions capture, organize, display, manipulate and store **documents** of any type, including scanned images, word processing files, graphics, **spreadsheets** and database information.

GroupFile is said to include such easy-to-use features as built-in document filing hierarchies and **indexing fields**, and to provide multiple search methods for quickly retrieving documents. User-defined "hot links" can be created to electronically bond **documents** and facilitate navigation through a collection of associated **documents**. **GroupFile** is said to have an intuitive graphical user interface based on the Microsoft Windows environment. GroupFile applications are scalable and easy-to-integrate with corporate...

25/3,K/30 (Item 30 from file: 148) [Links](#)
Gale Group Trade & Industry DB
(c)2006 The Gale Group. All rights reserved.
06473210 **Supplier Number:** 13911415 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Don't call it a spreadsheet - Improv is something else. (Lotus Development Corp.'s Improv for Windows 2.0 data analysis software) (Software Review) (Evaluation)
Morgan, Cynthia
Government Computer News , v12 , n11 , p34(2)
May 24 , 1993
Document Type: Evaluation
ISSN: 0738-4300
Language: ENGLISH
Record Type: FULLTEXT; ABSTRACT
Word Count: 956 **Line Count:** 00073

...contiguously. But if you want to keep them that way, you must rearrange your worksheet.

Improv starts from the premise that every entry in the **spreadsheet** is related to every other entry, much the same way that you **group** and change **elements** in a graphics program. It creates categories -- up to 12 in a single worksheet -- to **group data** for you.

Extended family

Improv forces you to start building a spreadsheet in the most logical way, with single elements and little or no advance...

25/3,K/31 (Item 31 from file: 16) [Links](#)
Gale Group PROMT(R)
(c) 2006 The Gale Group. All rights reserved.
03258104 **Supplier Number:** 44483685 (USE FORMAT 7 FOR FULLTEXT)
Interoperability Assessment: Aldus Makes The Page, But Not The Grade
Network Computing , p 150
March 1 , 1994
Language: English **Record Type:** Fulltext
Document Type: Magazine/Journal ; Trade
Word Count: 1019

...both platforms. On the Macintosh, we assigned outline and shadow attributes to our Macintosh-only fonts, placed EPS and PICT graphics, inserted a Microsoft Excel **spreadsheet** as an embedded object, 'subscribed' to a 'published' text file created in Microsoft Word v5.0 and **grouped** two PageMaker **elements**.

On the Windows side, PageMaker prompted us to confirm the PANOSE font matching substitutes for fonts not found. We changed the selection to see

how...

25/3,K/32 (Item 32 from file: 275) [Links](#)
Gale Group Computer DB(TM)
(c) 2006 The Gale Group. All rights reserved.
01706296 **Supplier Number: 16271144 (Use Format 7 Or 9 For FULL TEXT)**
Next stop: business objects. (Interview)
Watterson, Karen
Data Based Advisor , v12 , n10 , p120(2)
Oct , 1994
Document Type: Interview
ISSN: 0740-5200
Language: ENGLISH **Record Type:** FULLTEXT; ABSTRACT
Word Count: 2318 **Line Count:** 00189

...truly network-aware, as have the latest versions of OS/2 and Macintosh.
Lotus Notes F/X, which gives other applications read/write access to
field-level information in Notes databases, is being used to
"group-enable" many stand-alone programs such as **spreadsheets**
. Today, one of the hottest contests in the industry is between Microsoft's
Common Object Model (COM) which is tightly linked to OLE 2.0...

25/3,K/33 (Item 33 from file: 275) [Links](#)
Gale Group Computer DB(TM)
(c) 2006 The Gale Group. All rights reserved.
01685364 **Supplier Number: 15509799 (Use Format 7 Or 9 For FULL TEXT)**
FileMaker Pro for Windows. (Claris Corp's FileMaker Pro for Windows 2.1) (Software Review) (one of seven evaluations of end user databases in 'Balance of Power') (Evaluation)
Dragan, Richard V.
PC Magazine , v13 , n12 , p242(3)
June 28 , 1994
Document Type: Evaluation
ISSN: 0888-8507
Language: ENGLISH **Record Type:** FULLTEXT; ABSTRACT
Word Count: 1297 **Line Count:** 00104

...own reports from scratch or use the handy templates. Templates for the
most common business uses are provided, including a columnar report (which
gives a **spreadsheet** look to your data) and a single-page form style
(which allows for summaries of **groups of records**). Default
reports for creating mailing labels and envelopes are also
available, and you can specify text and graphics as "sliding object" to
eliminate unnecessary white space between fields automatically. For mail...

25/3,K/35 (Item 35 from file: 647) [Links](#)
CMP Computer Fulltext
(c) 2006 CMP Media, LLC. All rights reserved.
01024390 **CMP Accession Number: NWC19940301S4162**
Aldus Makes The Page, But Not The Grade
Debra Robertson and Michael Fox
NETWORK COMPUTING , 1994 , n 503
Publication Date: 940301
Journal Code: NWC **Language:** English
Record Type: Fulltext
Section Heading: Interoperability Assessment
Word Count: 1034

...both platforms. On the Macintosh, we assigned outline and shadow
attributes to our Macintosh-only fonts, placed EPS and PICT graphics,
inserted a Microsoft Excel **spreadsheet** as an embedded object ,
"subscribed" to a "published" text file created in Microsoft Word
v5.0 and **grouped two PageMaker elements**.
On the Windows side, PageMaker prompted us to confirm the PANOSE
font matching substitutes for fonts not found. We changed the 'selection to
see how...

25/3,K/36 (Item 36 from file: 16) [Links](#)
Gale Group PROMT(R)

(c) 2006 The Gale Group. All rights reserved.
03814329 **Supplier Number: 45442750 (USE FORMAT 7 FOR FULLTEXT)**
Technology Reaches All Corners Of Box Industry
Drug & Cosmetic Industry , p 32
April , 1995
Language: English **Record Type:** Fulltext
Document Type: Magazine/Journal ; Trade
Word Count: 1660

...you will be able to transform your data into reports, graphs, spreadsheets, documents, or whatever you need to present the information. You can transform retrieved **data** into multi-column reports complete with headings, titles, complex **group** calculations, form letters, and mailing **labels**.

Data can also be exchanged directly with applications such as **spreadsheets** and word processors using the Windows Dynamic Data Exchange (DDE) or Object Linking Embedding (OLE) facilities.

All of this capability is delivered in a format...

25/3,K/37 (Item 37 from file: 621) **Links**
Gale Group New Prod.Annou.(R)
(c) 2006 The Gale Group. All rights reserved.
01285479 **Supplier Number: 45402296 (USE FORMAT 7 FOR FULLTEXT)**
MICROSOFT ANNOUNCES VERSION OF SCHEDULE+ FOR WINDOWS 95; UPCOMING RELEASE OF MICROSOFT OFFICE TO WELCOME LEADING TIME-MANAGEMENT SOFTWARE
PR Newswire , p N/A
March 14 , 1995
Language: English **Record Type:** Fulltext
Document Type: Newswire ; Trade
Word Count: 935

...personal and business contacts.

With this electronic address book, users will be able to accomplish the following:

- Create contacts with multiple addresses and phone numbers
- **Sort** contacts by multiple **fields**

, such as company or state,
for easy **grouping**

- Import and export **information** from ASCII **files**

, databases

and **spreadsheets** to share contacts effectively

* Task manager. The task manager will track projects, deadlines and work assignments, reminding users when particular items are due.

This module...

25/3,K/38 (Item 38 from file: 15) **Links**
ABI/Inform(R)
(c) 2006 ProQuest Info&Learning. All rights reserved.
01154881 98-04276
Action research: A new paradigm for research in production and operations management
Westbrook, Roy
International Journal of Operations & Production Management v15n12 pp: 6-20
1995
ISSN: 0144-3577 **Journal Code:** IJO
Word Count: 6258
Text:

...stages to despatch involves the coordination of a number of different functions. To facilitate this co-ordination we developed the "orderbook model", a single integrated **data** file containing all the key **elements** for identifying, **grouping** and progressing all the current **orders** of a company. In appearance and use this was rather like a **spreadsheet**, and in MIS terms was a type of relational database. The research aim was to see if there was a limited number of appropriate designs...

25/3,K/39 (Item 39 from file: 15) [Links](#)

ABI/Inform(R)

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01074431 97-23825

Element finding: The impact of a group support system on a crucial phase of sense making

Massey, Anne P; Clapper, Danial L

Journal of Management Information Systems: JMIS v11n4 pp: 149-176

Spring 1995

ISSN: 0742-1222 Journal Code: JMI

Word Count: 11036

Text:

...seven elements (out of the eighteen in the "pool") were shared during group brainstorming. The +/-represents "new" or "original" ideas that first appeared during the group session, in this example +/- 3.

Table 1 summarizes the raw data and the processed coded data.

(Table 1 omitted) Column 8 is a proportion representing the total number of elements shared in the group (column 7) divided by the total number of elements identified in the pregroup collective pool of elements (column 4). The proportion takes into account the fact that two of the eighteen groups consisted of...

25/3,K/40 (Item 40 from file: 148) [Links](#)

Gale Group Trade & Industry DB

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08258177 Supplier Number: 17527278 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Database marketing systems from Service Bureaus. (Software Review)(Evaluation)

Raab, David M.

Target Marketing , v18 , n10 , p104(1)

Oct , 1995

Document Type: Evaluation

ISSN: 0889-5333

Language: English

Record Type: Fulltext; Abstract

Word Count: 923 Line Count: 00078

...nice feature is a push-button that can automatically transfer a cross-tab of frequency-distribution table into an active Excel, Lotus or Quattro Pro spreadsheet, without the need to export the file or cut-and-paste the data.

The system's extract function will create files that contain user-specified fields from the currently selected group of records. The system can create the file in ASCII, FoxPro, Excel, Lotus, DIF and SDF formats. Users can save and reuse different export formats. The new release of the system is expected...

25/3,K/41 (Item 41 from file: 16) [Links](#)

Gale Group PROMT(R)

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04539160 Supplier Number: 46668914 (USE FORMAT 7 FOR FULLTEXT)

2-D bar codes: More options, new ways to manage inventory data

Modern Materials Handling , p 37

Sept , 1996

Language: English Record Type: Fulltext

Document Type: Magazine/Journal ; Trade

Word Count: 946

...have made recommendations for use of the three leading symbologies.

For instance, the American National Standards Institute MH10.8 committee recommends PDF417 for shipping/EDI labels and MaxiCode for sortation applications. The Automotive Industry Action Group (AIAG) has made similar recommendations plus it recommends use of Data Matrix for small parts marking.

Simultaneously, development work in 2-D bar codes continues.

For instance, SuperCode encodes large amounts of data and is expected to...

25/3,K/42 (Item 42 from file: 621) [Links](#)

Gale Group New Prod. Annou.(R)

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01398359 Supplier Number: 46495674 (USE FORMAT 7 FOR FULLTEXT)

NEW VERSION OF MARKET GUIDE'S PRODUCT FOR WINDOWS INCLUDES FIRST CALL DATA

PR Newswire , p 626NYW008

June 26 , 1996

Language: English **Record Type:** Fulltext

Document Type: Newswire ; Trade

Word Count: 596

...and more.

- Powerful search capabilities allowing users to identify companies meeting their investment profiles. Users can search a combination of over 500 ratios and other data

items,

including SIC codes and Market Guide's proprietary industry and sector groups.

- Downloading information to spreadsheets for further custom analysis.

- Weekly updates on CD-ROM.

Lewis Leonardi, Vice President of Sales at Market Guide noted, "We're very excited about Market...

25/3,K/43 (Item 43 from file: 148) [Links](#)

Gale Group Trade & Industry DB

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09013255 Supplier Number: 18708021 (USE FORMAT 7 OR 9 FOR FULL TEXT)

2-D bar codes: more options, new ways to manage inventory data.

Forger, Gary

Modern Materials Handling , v51 , n11 , p37(3)

Sep , 1996

ISSN: 0026-8038

Language: English

Record Type: Fulltext; Abstract

Word Count: 1023 **Line Count:** 00087

...have made recommendations for use of the three leading symbologies.

For instance, the American National Standards Institute MH10.8 committee recommends PDF417 for shipping/EDI labels and MaxiCode for sortation applications. The Automotive Industry Action Group (AIAG) has made similar recommendations plus it recommends use of Data Matrix for small parts marking.

Simultaneously, development work in 2-D bar codes continues.

For instance, SuperCode encodes large amounts of data and is expected to...

25/3,K/44 (Item 44 from file: 16) [Links](#)

Gale Group PROMT(R)

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05257480 Supplier Number: 48011860 (USE FORMAT 7 FOR FULLTEXT)

Data-mart deployment made easy

Krill, Paul

InfoWorld , p 37

Sept 29 , 1997

Language: English **Record Type:** Fulltext

Document Type: Magazine/Journal ; Trade

Word Count: 304

...ins to Version 3.5 of its Gentia data-analysis system. The system will support access to data in the Gentia OLAP database from Excel spreadsheets and also supports drill-down capabilities on Java-based data charts, as well as grouping of data

items based on values of key attributes, such as color or weight.

Broadbase's data-mart tool costs \$49,950. The Gentia 3.5 data-analysis

...

25/3,K/45 (Item 45 from file: 148) [Links](#)

Gale Group Trade & Industry DB

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10025705 **Supplier Number:** 20012995 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Hot picks for the home office.(Buyers Guide)

Bass, Steve

PC World , v15 , n12 , p279(4)

Dec , 1997

Document Type: Buyers Guide

ISSN: 0737-8939

Language: English

Record Type: Fulltext; Abstract

Word Count: 2067 **Line Count:** 00161

...thought of using bar codes to do it? Don't laugh. I've used Zebra Technologies' Barcode Anything System to track members of my user group. First I designed bar-code labels using data imported from member accounts in Intuit's QuickBooks (you can also import data from Peachtree Complete and most popular databases and spreadsheets). I printed the bar codes on ordinary laser labels and stuck them to the backs of user group membership cards. Scanning each member's bar code made tracking attendance a snap (though I did...

25/3,K/46 (Item 46 from file: 148) [Links](#)

Gale Group Trade & Industry DB

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09910641 **Supplier Number:** 20058531 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Measurement precision requires close office, field coordination.

Harris, Melva J.; Woods, David

Pipe Line & Gas Industry , v80 , n10 , p61(3)

Oct , 1997

ISSN: 1079-8765

Language: English

Record Type: Fulltext

Word Count: 2192 **Line Count:** 00187

...date, time and equipment conditions before and after calibration. If the test report says the meter is out of calibration, this alerts the volume processing group to correct the flow data - charts and electronic data - to compensate for the error. The field technician should communicate major problems not only on the report, but verbally to ensure that the volume processing group is aware and takes corrective action...

25/3,K/47 (Item 47 from file: 148) [Links](#)

Gale Group Trade & Industry DB

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09762680 **Supplier Number:** 19811600 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Data-mart deployment made easy. (Broadbase Information Systems, Gentia Software, decision-support applications) (Company Business and Marketing)

Krill, Paul

InfoWorld , v19 , n39 , p37(1)

Sep 29 , 1997

ISSN: 0199-6649

Language: English

Record Type: Fulltext

Word Count: 334 **Line Count:** 00029

...ins to Version 3.5 of its Gentia data-analysis system. The system will support access to data in the Gentia OLAP database from Excel spreadsheets and also supports drill-down capabilities on Java-based data charts, as well as grouping of data

items based on values of key attributes, such as color or weight.

Broadbase's data-mart tool costs \$49,950. The Gentia 3.5 data-analysis

...

25/3,K/48 (Item 48 from file: 275) [Links](#)

Gale Group Computer DB(TM)

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02246256 **Supplier Number:** 21257615 (Use Format 7 Or 9 For FULL TEXT)

Users find new value in EDI. (electronic data interchange) (Industry Trend or Event)

Hoard, Bruce B.

e-Business Advisor , v16 , n10 , p40(3)

Oct , 1998

Language: English **Record Type:** Fulltext; Abstract

Word Count: 2478 **Line Count:** 00197

...Extensible Markup Language (XML). XML gives developers the power to define their own tags to Web-based data, which gives users greater control of that data.

Crowley, who is chairman of the X12 standards group dealing with XML implementations, explains that XML can be used to tag data in invoices, purchase orders, and the like and then bury them in Web-based, browser-displayable documents. He says that common word-processing and spreadsheet applications may soon be able to move those documents not only across applications, but across platform environments as well.

A simple example, explains Crowley, would...

25/3,K/49 (Item 49 from file: 621) [Links](#)

Gale Group New Prod. Annou.(R)

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01768032 **Supplier Number:** 53349877 (USE FORMAT 7 FOR FULLTEXT)

The Clock Is Ticking: IDG'S PC World Offers Solutions for Millennium Bug.

PR Newswire , p 1251

Dec 4 , 1998

Language: English **Record Type:** Fulltext

Document Type: Newswire ; Trade

Word Count: 363

...clock and BIOS)

- * Commercial software (operating systems and off-the-shelf applications like Excel)

- * Custom applications (code written especially for a business or industry)

- * Exchanging data (items such as networked

spreadsheets and databases

accessible by groups of users).

For each area, the article tells users how to identify, isolate, and defuse Y2K problems.

In addition, to find out what would happen...

25/3,K/50 (Item 50 from file: 15) [Links](#)

ABI/Inform(R)

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01594618 02-45607

Unsnarling information for the real superhighway

Harrison, Ann

Software Magazine v18n4 pp: 82-92

Mar 1998

ISSN: 0897-8085 **Journal Code:** SMG

Word Count: 2528

Text:

...of data, which they then had to come back and try to fix," says Pena-Mora.

Meanwhile, as the number of contractors and B/PB field offices began to grow, data exchange between these two groups began to break down. Both were using spreadsheet applications to manage project data such as progress and expenditure information. Due to the lag

time between reporting data and integrating the figures, both the...

25/3,K/51 (Item 51 from file: 148) [Links](#)

Gale Group Trade & Industry DB

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10454229 **Supplier Number:** 21119286 (USE FORMAT 7 OR 9 FOR FULL TEXT)

The new breed. (hybrid finance and information technology managers)(includes related articles on online analytical processing)

Management Accounting (USA) , v80 , n2 , p47(5)

August , 1998

ISSN: 0025-1690

Language: English

Record Type: Fulltext; Abstract

Word Count: 3952 **Line Count:** 00319

...the U.S. market.

RELATED ARTICLE: A Few Terms

Business Intelligence - the basic reason for multidimensional analysis at global companies is to improve business intelligence **information** and decision making. Business intelligence spans a software **category** dedicated to extracting **information** from corporate databases for business analysis.

Dimension - one **group** of related **elements** like time, product, region, budget, actual, profit, sales representative. While a **spreadsheet** is limited to a flat, two-dimensional "rows and columns" view of data, OLAP applications work the way we think - in multiple dimensions - hence the...

Set	Items	Description
S1	44810	SPREADSHEET? ? OR (DATA)()(MATRIX?? OR TABLE OR CHART? ?)
S2	3105	S1(100N)(DATAFIELD? ? OR TAG? ? OR LABEL? ? OR FIELD? ? OR ELEMENT? ? OR DATA()ITEM? ? OR FIELDNAME? ?)
S3	334457	DELET? OR ERAS? OR PURG? OR DEDUP??? OR (REMOV??? OR TAK???)(OUT)(3N)(DUPLICATE? ? OR COPY OR COPIES OR SAME OR MATCH??? OR REDUNDAN? OR MULTIPLE? ? OR IDENTICAL OR DOUBL??)
S4	12319370	SORT??? OR TABULATE OR RANK? OR INDEX? OR CLASSIF? OR CATALOG??? OR ORDER??? OR ARRANG???? OR CATEGORIZ???? CATEGORIS???? OR GROUP??? OR ORGANIZ??? OR ORGANIS???
S5	414111	(MESSAGE? ? OR DATA OR DATUM OR FILE? ? OR INFORMATION OR DOCUMENT? ? OR RECORD? ? OR ENTIT??? OR CONTENT OR OBJECT? ?)(10N)(TABULAT? OR AGGREGAT??? OR AGGRAGAT??? OR GROUP? OR CLUSTER? OR BATCH?? OR CATEGORY)
S6	1	S2(5N)(S3 AND S4)
S7	0	S5 AND S6
S9	4878	S S1 AND (DATAFIELD? ? OR TAG? ? OR LABEL? ? OR FIELD? ? OR ELEMENT? ? OR DATA()ITEM? ? OR FIELDNAME? ?)
S10	0	S S9 AND S3 AND S4 AND S5
S11	310829	S S4 AND S5
S12	127	S9 AND S11
S13	86	S S12 NOT PY=1999:2006
S14	83	RD (unique items)
S15	124	S S9(100N)S11
S16	119	S S9(50N)S11
S17	115	S S9(25N)S11
S18	83	SORT S14/ALL/PY
S19	287057	S S4(50N)S5
S20	277872	S S4(25N)S5
S21	2643	S S1(50N)(DATAFIELD? ? OR TAG? ? OR LABEL? ? OR FIELD? ? OR ELEMENT? ? OR DATA()ITEM? ? OR FIELDNAME? ?)
S22	2106	S S1(25N)(DATAFIELD? ? OR TAG? ? OR LABEL? ? OR FIELD? ? OR ELEMENT? ? OR DATA()ITEM? ? OR FIELDNAME? ?)
S23	13	S S22(25N)S20
S24	30	S S22 AND S20
S25	36	S S21 AND S20
S26	24	S S25 NOT PY=1999:2006
S27	21	RD (unique items)
S28	21	SORT S27/ALL/PY [note: concept of removing duplicates not included]
S29	11	S S1 AND S3 AND S4 AND S5
S30	11	S S29 NOT S25
S31	4	S S30 NOT PY=1999:2006
S32	3	RD (unique items)
S33	3	SORT S32/ALL/PY

[File 8] **Ei Compendex(R)** 1970-2006/Oct W4

[File 35] **Dissertation Abs Online** 1861-2006/Oct

[File 65] **Inside Conferences** 1993-2006/Nov 03

[File 4] **INSPEC** 1983-2006/Oct W4

[File 94] **JICST-EPlus** 1985-2006/Jul W3

[File 6] **NTIS** 1964-2006/Oct W4

[File 144] **Pascal** 1973-2006/Oct W2

[File 34] **SciSearch(R) Cited Ref Sci** 1990-2006/Oct W5

[File 99] **Wilson Appl. Sci & Tech Abs** 1983-2006/Sep

[File 239] **Mathsci** 1940-2006/Dec

[File 56] **Computer and Information Systems Abstracts** 1966-2006/Oct

[File 57] **Electronics & Communications Abstracts** 1966-2006/Oct

[File 60] **ANTE: Abstracts in New Tech & Engineer** 1966-2006/Oct

[File 583] **Gale Group Globalbase(TM)** 1986-2002/Dec 13

Higher relevance

28/5,K/6 (Item 6 from file: 8) [Links](#)

Ei Compendex(R)

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02003076 E.I. Monthly No: EI8608074779 E.I. Yearly No: EI86080571

Title: AUTOMATED OFFICE FOR THE LABORATORY SCIENTIST.

Author: Hennessy, A. K.; Roberts, L. A.; Chang Scoggins, S. Y.

Corporate Source: Texas Tech Univ, Lubbock, TX, USA

Source: J Microcomput Appl v 9 n 1 Jan 1986 p 15-26

Publication Year: 1986

CODEN: JMIADO

Language: ENGLISH

Document Type: JA; (Journal Article) **Treatment:** A; (Applications); X; (Experimental)

Journal Announcement: 8608

Abstract: Development of sophisticated office information facilities for business record-keeping and report generation has created opportunities for automation of information-handling in many other fields. Spreadsheet facilities specifically LOTUS 1-2-3 on the Zenith Z-100, have been used to automate information-handling tasks in an experimental laboratory: to set up and maintain information in the laboratory notebook, to store and retrieve details about preparation and operation of each experiment in a series, to set up sampling rates and collect sample data from instruments, to perform statistical analysis, to tabulate and graph experiment results. The spreadsheet was used as the controlling facility to change and execute job control macros, to link to BASIC programs that controlled the analogue-digital converter and changed file formats so that the statistics package MICROSTAT could process files produced by the spreadsheet during the experiment. The outcome of the study was a LOTUS 1-2-3 spreadsheet template which can be used in an experimental laboratory. (Author abstract) 3 refs.

Descriptors: *OFFICE AUTOMATION; RESEARCH LABORATORIES--Computer Interfaces; DATA STORAGE,

DIGITAL; DATA PROCESSING--File Organization; INFORMATION RETRIEVAL SYSTEMS

Identifiers: SPREADSHEET FACILITIES; EXPERIMENTAL LABORATORY; AUTOMATION OF INFORMATION-HANDLING

Classification Codes:

723 (Computer Software); 903 (Information Science); 722 (Computer Hardware)

72 (COMPUTERS & DATA PROCESSING); 90 (GENERAL ENGINEERING)

Abstract: Development of sophisticated office information facilities for business record-keeping and report generation has created opportunities for automation of information-handling in many other fields. Spreadsheet facilities specifically LOTUS 1-2-3 on the Zenith Z-100, have been used to automate information-handling tasks in an experimental laboratory: to set... ..laboratory notebook, to store and retrieve details about preparation and operation of each experiment in a series, to set up sampling rates and collect sample data from instruments, to perform statistical analysis, to tabulate and graph experiment results. The spreadsheet was used as the controlling facility to change and execute job control macros, to link to BASIC programs that...

Subject summary

28/5,K/1 (Item 1 from file: 144) [Links](#)

Pascal

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~~00030101 PASCAL No.: 73-0013369~~

~~MAGNETIC POLARITIES AND MAXIMUM FIELD STRENGTHS OF SELECTED SUNSPOTS GROUPS WITH TIME DISTANCES OF ABOUT HALF AN HOUR DURING THE PERIODS 1971~~

28/5,K/2 (Item 2 from file: 144) [Links](#)

Pascal

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~~00378523 PASCAL No.: 74-0008649~~

~~MAGNETIC POLARITIES AND MAXIMUM FIELD STRENGTHS OF SELECTED SUNSPOT GROUPS WITH TIME DISTANCES OF ABOUT HALF AN HOUR DURING THE PERIOD 1972~~

28/5,K/3 (Item 3 from file: 144) [Links](#)

Pascal

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~~03959540 PASCAL No.: 75-0064045~~

~~BEHAVIOR OF THE ELEMENTS AT HIGH PRESSURES.
CANNON J.F.; OHIO HIGH PRESSURE DATA CENT, BRIGHAM YOUNG UNIV,
PROVO, UTAH 84602~~

28/5,K/4 (Item 4 from file: 144) [Links](#)

Pascal

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~~03879545 PASCAL No.: 75-0013113~~

~~MAGNETIC POLARITIES AND MAXIMUM FIELD STRENGTHS OF ONE SELECTED SUNSPOT GROUP WITH TIME DISTANCES OF ABOUT TWENTY MINUTES DURING THE PERIOD 1973
JULY 5-JULY 10.~~

28/5,K/5 (Item 5 from file: 144) [Links](#)

~~Fulltext available through: [USPTO Full Text Retrieval Options](#) [SCIENCEDIRECT](#)~~

Pascal

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~~03590472 PASCAL No.: 82-0103120~~

~~LOW FREQUENCY EXTENDED RADIO SOURCES: MAGNETIC FIELD STRENGTH AND CLASSIFICATION ATTEMPT~~

28/5,K/7 (Item 7 from file: 56) [Links](#)

Computer and Information Systems Abstracts

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0000104844 IP Accession No: 1352654

Linking microcomputers and dedicated word processing systems for increased productivity.

Clapp, D E; Zaebst, D D Ind. Stud. Branch, Div. Surveillance, Hazard Eval. and Field Stud., NIOSH, 4676 Columbia Parkway, Cincinnati, OH 45226, USA

COMP. IND. ENG. , v 11 , n 1-4 , p 426-439 , 1986

Publication Date: 1986

Conference:

8. Annual Conference on Computers and Industrial Engineering , Orlando , FL (USA) , 19-21 Mar. 1986

Document Type: Conference Paper; Journal Article

Record Type: Abstract

Language: English

File Segment: Computer & Information Systems Abstracts

Abstract:

With the decline in cost of hardware, more and more professionals are acquiring personal computers at their desk. Most common uses of these office computers are word processing and spreadsheet applications. Professionals typically generate text directly on the personal computer (in lieu of hand written copy) and use spreadsheet programs to tabulate and analyze collected field data. The Industrial Hygiene Section, Industrywide Studies Branch (DSHEFS), NIOSH has developed procedures for electronically linking personal microcomputers with an office-wide word processing system. Using a commercially available hardware "board", the rough copy report and tabulated spreadsheet data can be electronically linked and "uploaded" from a microcomputer to the word processing system. A WANG word processing

system is the office-wide system for preparing and publishing final reports. This system is not readily compatible with IBM-PC (or similar) microcomputers; however, using MULTIMATE (a commercially available word processing program) and the hardware board, documents can be readily transferred to the WANG virtually unchanged from the copy generated on the microcomputer. Importantly, spreadsheet data can be similarly transferred and linked to a document on the WANG wordprocessing system. This paper describes the sequence of steps, along with necessary hardware and software.

Descriptors: Office automation; Ibm pc; Text editing; Spreadsheets; Multimate; Compatibility

Subj Catg: C CE3.6, GENERAL PURPOSE DIGITAL COMPUTERS AND SYSTEMS/MINICOMPUTERS

Abstract:

...cost of hardware, more and more professionals are acquiring personal computers at their desk. Most common uses of these office computers are word processing and **spreadsheet** applications. Professionals typically generate text directly on the personal computer (in lieu of hand written copy) and use **spreadsheet** programs to **tabulate** and analyze collected **field data**. The Industrial Hygiene Section, Industrywide Studies Branch (DSHEFS), NIOSH has developed procedures for electronically linking personal microcomputers with an office-wide word processing system. Using a commercially available hardware "board", the rough copy report and tabulated **spreadsheet** data can be electronically linked and "uploaded" from a microcomputer to the word processing system. A WANG word processing system is the office-wide system ...

28/5,K/8 (Item 8 from file: 35) [Links](#)

Dissertation Abs Online

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0987025 ORDER NO: AAD88-05697

THE DIFFUSION OF INFORMATION TECHNOLOGY: TESTING AND EXTENDING INNOVATION DIFFUSION THEORY IN THE CONTEXT OF END-USER COMPUTING

Author: BRANCHEAU, JAMES CLAYTON

Degree: PH.D

Year: 1987

Corporate Source/Institution: UNIVERSITY OF MINNESOTA (0130)

Source: Volume 4903A of Dissertations Abstracts International.

PAGE 0549 . 171 PAGES

Descriptors: BUSINESS ADMINISTRATION, MANAGEMENT

Descriptor Codes: 0454

Growing from almost nothing in 1980, end-user computing has become an important aspect of organizational computing. One step toward providing sound guidelines for managing end-user computing is to improve understanding of the technology diffusion process. This research had two primary purposes. First, it assessed the validity of innovation diffusion theory within the context of end-user computing. Second, it examined the relationship between organizational action and diffusion. The scope of the research was limited to studying relationships among individual differences, organizational actions, organizational context, and the adoption and utilization of information technology.

The research involved a field study and historical analysis of the diffusion of **spreadsheet** software in organizations. To assist in controlling exogenous factors, only finance and accounting departments were studied. Over 500 professionals in 24 business units from 18 large companies participated in the research. Data was collected through interviews, surveys, and published reports.

At the individual level, substantial support was found for the viability of innovation diffusion theory in organizational contexts. Findings supported hypotheses that earlier adopters of spreadsheet software were younger and more highly educated (at the time of adoption), and more attuned to mass media, more involved in interpersonal communication, and more likely to be opinion leaders (at the time of the survey). Also supported were hypothesized differences between opinion leaders and their followers and the S-shaped distribution of adoption over time.

Application of the theory was not supported in all areas. The findings suggest that organizations are different in important ways from the context in which the theory originated. A number of suggestions are made concerning additional factors which should be incorporated into the theory to improve its explanatory power.

At the organizational level, regression analyses indicated that individual-level variables were the most reliable predictors of spreadsheet adoption and utilization. Interestingly, the proposed relationship between organizational action and adoption/utilization was not supported. **Data** suggested that most **information systems groups** acted too late and offered too little support to have a measurable effect on the diffusion of spreadsheet software in finance and accounting.

...research was limited to studying relationships among individual differences, organizational actions, organizational context, and the adoption and utilization of information technology.

The research involved a field study and historical analysis of the diffusion of **spreadsheet** software in organizations. To assist in controlling exogenous factors, only finance and accounting departments were studied. Over 500 professionals in 24 business units from 18... level variables were the most reliable predictors of spreadsheet adoption and utilization. Interestingly, the proposed relationship between organizational action and adoption/utilization was not supported. **Data** suggested that most **information systems groups** acted too late and offered too little support to have a measurable effect on the diffusion of spreadsheet software in finance and accounting.

-28/5,K/9 (Item 9 from file: 6) [Links](#)

Fulltext available through: [Check for PDF Download Availability and Purchase](#)

NTIS

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Journal of Physical and Chemical Reference Data, Volume 17, 1988, Supplement No. 3. Atomic Transition Probabilities Scandium through Manganese

28/5,K/10 (Item 10 from file: 6) [Links](#)

Fulltext available through: [Check for PDF Download Availability and Purchase](#)

NTIS

(c) 2006 NTIS, Intl Cpyrght All Rights Res. All rights reserved.1412611 **NTIS Accession Number: PB89-135735**

Journal of Physical and Chemical Reference Data, Volume 17, 1988, Supplement No. 4. Atomic Transition Probabilities Iron through Nickel

(Quarterly rept)

Fuhr, J. R. ; Martin, G. A. ; Wiese, W. L. ; Lide, D. R.

American Chemical Society, Washington, DC.

Corporate Source Codes: 001430000

Sponsor: ; American Inst. of Physics, New York.; National Bureau of Standards, Gaithersburg, MD.

Report Number: ISBN-0-88318-586-5

c1988 511p

Language: English **Document Type:** Journal article

Journal Announcement: GRAI8906

See also Volume 17, Number 2, PB89-136337 and Number 3, PB89-135686. Library of Congress catalog card no. 88-72276. Prepared in cooperation with American Inst. of Physics, New York. Sponsored by National Bureau of Standards, Gaithersburg, MD.

Available from American Chemical Society, 1155 16th St., NW, Washington, DC 20036.

NTIS Prices: Not available NTIS

Country of Publication: United States

Atomic transition probabilities for about 9,500 spectral lines of three iron-group elements, Fe ($Z = 26$) to Ni ($Z = 28$), are critically compiled, based on all available literature sources. The data are presented in separate tables for each element and stage of ionization and are further subdivided into allowed (i.e., electric dipole-E1) and forbidden (magnetic dipole-M1, electric quadrupole-E2, and magnetic quadrupole-M2) transitions. Within each data table the spectral lines are grouped into multiplets, which are in turn arranged according to parent configurations, transition arrays, and ascending quantum numbers. For each line the transition probability for spontaneous emission and the line strength are given, along with the spectroscopic designation, the wavelength, the statistical weights, and the energy levels of the upper and lower states. For allowed lines the absorption oscillator strength is listed, while for forbidden transitions the type of transition is identified (M1, E2, etc.). In addition, the estimated accuracy and the source are indicated. In short introductions, which precede the tables for each ion, the main justifications for the choice of the adopted data and for the accuracy rating are discussed. A general introduction contains a discussion of the authors method of evaluation and the principal criteria for their judgements. (Copyright (c) 1988 by the U.S. Secretary of Commerce on behalf of the United States. The copyright will be assigned to the American Institute of Physics and the American Chemical Society.)

Descriptors: *Transition probabilities; *Iron; *Cobalt; *Nickel; Electron transitions; Atomic spectra; Oscillators; Spectral lines; Reprints

Identifiers: NTISCOMNBS

Section Headings: 99F (Chemistry--Physical and Theoretical Chemistry); 99D (Chemistry--Basic and Synthetic Chemistry)

...Fe ($Z = 26$) to Ni ($Z = 28$), are critically compiled, based on all available literature sources. The data are presented in separate tables for each element and stage of ionization and are further subdivided into allowed (i.e., electric dipole-E1) and forbidden (magnetic dipole-M1, electric quadrupole-E2, and magnetic quadrupole-M2) transitions. Within each data table the spectral lines are grouped into multiplets, which are in turn arranged according to parent configurations, transition arrays, and ascending quantum numbers. For each line the transition probability for spontaneous emission and the line strength are given...

28/5,K/11 (Item 11 from file: 4) [Links](#)

INSPEC

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04928569 **INSPEC Abstract Number:** C91049131

Title: Computer-generated graphical analysis of citation searches

Author Nelson, M.L.

Author Affiliation: Nat. Inst. of Stand. & Technol., Gaithersburg, MD, USA

Conference Title: National Online Meeting. Proceedings - 1990 p. 309-14

Editor(s): Williams, M.E.

Publisher: Learned Inf., Medford, NJ, USA

Publication Date: 1990 **Country of Publication:** USA xii+474 pp.

ISBN: 0 938734 44 X

Conference Sponsor: Learned Inf

Conference Date: 1-3 May 1990 **Conference Location:** New York, NY, USA

Language: English **Document Type:** Conference Paper (PA)

Treatment: Practical (P)

Abstract: Online citation searches were performed for a number of publications on the subject of atomic spectroscopy. The searches were requested by an NIST physicist who is a member of the US National Research Council Committee on Line Spectra of the Elements. This committee surveys data needs for diverse groups of data users and coordinates data compilation and evaluation activities. The references found in the searches were retrieved by electronic mail and entered into a personal computer. The source journal titles were analyzed in spreadsheet /graphics programs. The resulting color and black and white images provided a quick and effective method of evaluating the citation search results. They will be used for comparison with the more subjective data on data usage which the Committee had compiled from questionnaires. (2 Refs)

Subfile: C

Descriptors: computer graphics; data analysis; information analysis; information needs; information retrieval; information use; spreadsheet programs

Identifiers: spreadsheets; information needs; graphical analysis; citation searches; atomic spectroscopy; NIST; electronic mail; journal titles

Class Codes: C7240 (Information analysis and indexing); C7220 (Generation, dissemination, and use of information); C7250C (Bibliographic systems)

Abstract: ...spectroscopy. The searches were requested by an NIST physicist who is a member of the US National Research Council Committee on Line Spectra of the Elements. This committee surveys data needs for diverse groups of data users and coordinates data compilation and evaluation activities. The references found in the searches were retrieved by electronic mail and entered into a personal computer. The source journal titles were analyzed in spreadsheet/graphics programs. The resulting color and black and white images provided a quick and effective method of evaluating the citation search results. They will be...

~~28/5,K/12 (Item 12 from file: 8) [Links](#)~~

~~Ei-Compendex(R)~~

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~~03354585 E.I. Monthly No: EIM0112-066269~~

~~Title: A spreadsheet model for residential magnetic field exposure.~~

~~28/5,K/13 (Item 13 from file: 144) [Links](#)~~

~~Fulltext available through: [USPTO Full Text Retrieval Options](#) [SCIENCEDIRECT](#)~~

~~Pascal~~

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~~10018212 PASCAL No.: 92-0247218~~

~~Magnetic fields in the Milky Way neighbourhood as deduced from warps in spiral galaxies~~

~~28/5,K/14 (Item 14 from file: 144) [Links](#)~~

~~Fulltext available through: [USPTO Full Text Retrieval Options](#) [SCIENCEDIRECT](#)~~

~~Pascal~~

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~~09837535 PASCAL No.: 92-0039869~~

~~The 11 year history of starspots on V4140 Ori=HD 37824~~

~~HALL D S; FEKEL F C; HENRY G W; BARKSDALE W S~~

~~28/5,K/15 (Item 15 from file: 144) [Links](#)~~

~~Fulltext available through: [USPTO Full Text Retrieval Options](#) [SCIENCEDIRECT](#)~~

~~Pascal~~

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~~09836124 PASCAL No.: 92-0038458~~

~~Vector magnetic field measurements and penumbral structure~~

~~28/5,K/16 (Item 16 from file: 144) [Links](#)~~

~~Fulltext available through: [USPTO Full Text Retrieval Options](#) [SCIENCEDIRECT](#)~~

~~Pascal~~

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~~09816722 PASCAL No.: 92-0019052~~

~~Detection of excess rotation measure due to intracluster magnetic fields in clusters of galaxies~~

28/5,K/17 (Item 17 from file: 35) [Links](#)

Dissertation Abs Online

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01292095 ORDER NO: AAD93-14084

EFFECTS OF DIVERSITY IN FIELD ARTICULATION ON HUMAN-COMPUTER PERFORMANCE

Author: STANNEY, KAY MARIE

Degree: PH.D.

Year: 1992

Corporate Source/Institution: PURDUE UNIVERSITY (0183)

Major Professor: GAVRIEL SALVENDY

Source: Volume 5401B of Dissertations Abstracts International.

PAGE 428 . 179 PAGES

Descriptors: ENGINEERING, INDUSTRIAL; PSYCHOLOGY, GENERAL

Descriptor Codes: 0546; 0621

Past studies have shown that spatial ability is a good predictor of computer performance. This study investigated diversity in field-articulation between individuals with high and low spatial ability in order to determine how this diversity might explain differences in computer performance. Field-articulation was suggested to influence performance on tasks which required cognitive restructuring skills. This study compared the performance of two typical computer tasks by field-dependent and field-independent subjects as a function of the amount of structuring of system information required to create the task environment. A three dimensional (task complexity, quality of integration, and level of differentiation) conceptual model of field-articulation was proposed. A conceptual model of the interaction between concurrent task processing demands and structuring requirements was hypothesized to explain differences in memory organization which were suggested to lead to computer performance differences.

These models were tested with 36 subjects, 18 identified as field-dependent and 18 identified as field-independent. The subjects performed both a computer information search and spreadsheet task under three task conditions, two structured by the experimenter and one by the subjects.

Planned comparison results for the performance time variable indicated that the field-independent group performed significantly faster than the field-dependent group under all three task conditions. Planned comparison results for the memory organization variable indicated that the field-dependent group imposed significantly less organization on task information than the field-independent group under the condition requiring system structuring. Post hoc regression results provided some indication that this difference in organization may have resulted in the significantly slower performance of the field-dependent group under this condition. Under the task conditions structured by the experimenter, no significant differences in memory organization were detected between the two subject groups. However, significant computer performance differences were detected. Post hoc regression results provided some indication that performance time was not related to memory organization under the structured condition which did not require concurrent processing.

...to explain differences in memory organization which were suggested to lead to computer performance differences.

These models were tested with 36 subjects, 18 identified as field-dependent and 18 identified as field-independent. The subjects performed both a computer information search and spreadsheet task under three task conditions, two structured by the experimenter and one by the subjects.

Planned comparison results for the performance time variable indicated that the field-independent group performed significantly faster than the field-dependent group under all three task conditions. Planned comparison results for the memory organization variable indicated that the field-dependent group imposed significantly less organization on task information than the field-independent group under the condition requiring system structuring. Post hoc regression results provided some indication that this difference in organization may have resulted in the significantly slower...

28/5,K/18 (Item 18 from file: 144) [Links](#)

Fulltext available through: [USPTO Full Text Retrieval Options](#) [SCIENCEDIRECT](#)

Pascal

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11312481 PASCAL No.: 94-0133257

The velocity field of clusters of galaxies within 100 megaparsecs. II: Northern clusters

28/5,K/19 (Item 19 from file: 6) [Links](#)

Fulltext available through: [Check for PDF Download Availability and Purchase](#)

NTIS

(c) 2006 NTIS, Intl Cpyrght All Rights Res. All rights reserved. 1906799 **NTIS Accession Number:** DE95014126

S.M.A.R.T. map: Site map attribute retrieval technique

Brown-Rall, M.

Lawrence Livermore National Lab., CA.

Corporate Source Codes: 068147000; 9513035

Sponsor: Department of Energy, Washington, DC.

Report Number: UCRL-JC-120716; CONF-9504158-2

29 Mar 95 14p

Language: English **Document Type:** Conference proceeding

Journal Announcement: GRAI9523; ERA9550

CAD/CAE conference, Atlanta, GA (United States), 19 Apr 1995. Sponsored by Department of Energy, Washington, DC. Order this product from NTIS by: phone at 1-800-553-NTIS (U.S. customers); (703)605-6000 (other countries); fax at (703)321-8547; and email at orders@ntis.fedworld.gov. NTIS is located at 5285 Port Royal Road, Springfield, VA, 22161, USA.

NTIS Prices: PC A03/MF A01

Country of Publication: United States

Contract Number: W-7405-ENG-48

Plant Engineering's Space and Site Planning (S&SP) organization at Lawrence Livermore National Laboratory (LLNL) has developed a new tool, which is a computerized mapping system that can graphically illustrate facility characteristics. The current "base" map being used is the LLNL Site Map prepared by Plant Engineering's CADD Support group. Using current information in the Facility Information Tracking System (FITS) database, a Microsoft Excel spreadsheet, an electronic sort can be made, tying in the AutoCAD-generated site map to specific database fields. This link is accomplished by using a software overlay called the CadPLUS InfoEngine. The fields in the database include such things as, facility number, occupant program, population, facility age, facility quality, security level, etc. By selecting one or a combination of the fields, a map is generated, illustrating in color and hatch patterns the facilities or entities that are associated with the chosen fields. This process can be very useful for seeing the LLNL site at a glance, with highlighted

characteristics for particular areas of interest. The generation of large complex graphics, using large-scale databases selectively, can be accomplished quickly. These extractions and links between data and graphics create a S.M.A.R.T. Map.

Descriptors: *Mapping; Computer Architecture; Computer Graphics; Computer-Aided Design; Personal Computers; Property Management; S Codes; Site Characterization; Meetings

Identifiers: EDB/990200; EDB/420200; NTISDE

Section Headings: 48I (Natural Resources and Earth Sciences--Cartography); 41A (Manufacturing Technology--Computer Aided Design (CAD)); 77H (Nuclear Science and Technology--Reactor Engineering and Nuclear Power Plants); 88B (Library and Information Sciences--Information Systems)

...system that can graphically illustrate facility characteristics. The current "base" map being used is the LLNL Site Map prepared by Plant Engineering's CADD Support group. Using current information in the Facility Information Tracking System (FITS) database, a Microsoft Excel spreadsheet, an electronic sort can be made, tying in the AutoCAD-generated site map to specific database fields. This link is accomplished by using a software overlay called the CadPLUS InfoEngine. The fields in the database include such things as, facility number, occupant program, population, facility age, facility quality, security level, etc. By selecting one or a combination...

28/5,K/20 (Item 20 from file: 583) [Links](#)

Gale Group Globalbase(TM)

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06689170

Minolta knocks files into order

NEW ZEALAND: NEW MIMS PLUS LAUNCHED BY MINOLTA

NZInfoTechWeekly (XXX) 14 Sep 1998 P.1

Language: ENGLISH

The new Integrated Image Information Management System or MIMS Plus has been launched by Minolta New Zealand in New Zealand. MIMS Plus enables database management from any source in an integrated electronic file. The solution uses "plug in" software to incorporate automation processes such as optical character recognition and workflow. The MIMS Plus solution includes the following features: - electronic storage/retrieval of scanned documents, **spreadsheets**, images, e-mail, faxes - electronic fax function delivers fax copies of stored images to individuals/groups - **index six database fields** from bar coded documents

Company: MINOLTA NEW ZEALAND

Product: Computers & Auxiliary Equip (3573); Communications Eqp ex Tel (3662); Database Management Software (7372DB); Computer Services (7370);

Event: Product Design & Development (33);

Country: Japan (9JPN); New Zealand (9NEZ);

...to incorporate automation processes such as optical character recognition and workflow. The MIMS Plus solution includes the following features: - electronic storage/retrieval of scanned documents, **spreadsheets**, images, e-mail, faxes - electronic fax function delivers fax copies of stored images to individuals/groups - **index six database fields** from bar coded documents

28/5,K/21 (Item 21 from file: 144) [Links](#)

Fulltext available through: [ScienceDirect \(Elsevier\)](#) [USPTO Full Text Retrieval Options](#) [SCIENCEDIRECT](#)

Pascal

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13918667 PASCAL No.: 99-0100338

PETROMAP : MS-DOS software package for quantitative processing of X-ray

maps of zoned minerals

COSSIO R; BORGHI A

Dipartimento Scienze della Terra, Universita Torino, Torino, Italy;

Dipartimento Scienze Mineralogiche e petrologiche, Universita Torino,

Torino, Italy

Journal: Computers & geosciences,

1998, 24 (8) 805-814

ISSN: 0098-3004 Availability: Bureau de recherches

geologiques et minières (BRGM, France)-GB 207

Illus.: Illustrations; Plate; Tables; Analyses No. of Refs.: 21 ref.

Document Type: P (Serial) ; A (Analytic)

Country of Publication: United Kingdom

Language: English

The procedure for collection and processing quantitative X-ray maps is described. Elemental maps are acquired simultaneously by means of a SRM-EDS analytical system. Each map consists of a square matrix of n EDS spectra of known X, Y coordinates. The maps are converted to MS-DOS media format and exported to a personal computer. Here, by means of the PETROMAP program, each spectrum of the matrix is processed and the apparent concentrations of each analyzed element is calculated. Finally, a quantitative ZAF correction is applied. The output formula is a numerical matrix, which can be imported by most common graphic and spreadsheet programs. It is possible to produce two-dimensional wt% oxide, mole fraction and mineral

end-member pseudocolored or black/white maps, where each color or gray tone represents a selected range of concentration for the analyzed **element**

English Descriptors: software; electron probe data; X-ray data; spectroscopy; zoning; chemical analysis; minerals; case studies; garnet **group**; garnet

Broad Descriptors: nesosilicates; silicates; Nesosilicate; Silicate; Silicato

French Descriptors: Logiciel; Donnee microsonde electronique; Donnee RX; Spectrometrie; Zonalite; Analyse chimique; Mineral; Etude cas; Groupe grenat; Grenat; Spectrometrie dispersive d'energie

Classification Codes: 220A01; 001E01A01

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English Descriptors: software; electron probe data; X-ray data; spectroscopy; zoning; chemical analysis; minerals; case studies; garnet **group**; garnet

33/5,K/1 (Item 1 from file: 4) [Links](#)

INSPEC

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05356529 **INSPEC Abstract Number:** C9304-7480-026

Title: HP and Allen-Bradley: focusing on the plant floor

Author Baer, T.

Journal: Managing Automation vol.7, no.12 p. 19-21

Publication Date: Dec. 1992 **Country of Publication:** USA

CODEN: MAAUES

Language: English **Document Type:** Journal Paper (JP)

Treatment: Practical (P)

Abstract: Allen-Bradley re-engineered its Pyramid Integrator by replacing the minicomputer chip with a lower-cost Ethernet interface, dubbed the new product Network DTL. Allen-Bradley formally introduced the product on the HP 9000 and DEC VAX in early 1991. More significantly, it brought Allen-Bradley and HP into a business relationship that transcended the Network DTL product line. Within the following year, both firms responded to the needs of another joint customer, the Ford Automotive Components Group, by rolling out KT DTL, a stand-alone Data Highway interface for the HP 9000 series 700 RISC workstation. Today, both firms are reviewing new ideas that may ultimately erase the boundary between computers and controllers. A byproduct of this effort is HP's recent release of hardened, rack-mountable industrial workstations specially designed for plant-floor connectivity. (0 Refs)

Subfile: C

Descriptors: computer interfaces; engineering workstations; local area networks; manufacturing computer control
Identifiers: Data Table Library; factory automation; Hewlett-Packard; manufacturing computer control; Allen-Bradley; Ethernet interface; Network DTL; HP 9000; KT DTL; 700 RISC workstation

Class Codes: C7480 (Production engineering); C7420 (Control engineering); C5620L (Local area networks); C5610 (Computer interfaces)

Abstract: ...that transcended the Network DTL product line. Within the following year, both firms responded to the needs of another joint customer, the Ford Automotive Components Group, by rolling out KT DTL, a stand-alone Data Highway interface for the HP 9000 series 700 RISC workstation. Today, both firms are reviewing new ideas that may ultimately erase the boundary between computers and controllers. A byproduct of this effort is HP's recent release of hardened, rack-mountable industrial workstations specially designed for...

Identifiers: Data Table Library...

33/5,K/2 (Item 2 from file: 4) [Links](#)

Fulltext available through: [USPTO Full Text Retrieval Options](#) [SCIENCEDIRECT](#)

INSPEC

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05396170 **INSPEC Abstract Number:** C9306-6170-023

Title: Information loss in temporal knowledge representations

Author Knight, B.

Author Affiliation: Centre for Numer. Modelling & Process Anal., Greenwich Univ., London, UK

Journal: Computer Journal vol.36, no.2 p. 127-36

Publication Date: 1993 **Country of Publication:** UK

CODEN: CMPJA6 **ISSN:** 0010-4620

Language: English **Document Type:** Journal Paper (JP)

Treatment: Theoretical (T)

Abstract: The problem of memory overflow and the efficient storage and retrieval of temporal knowledge is discussed. The article takes the view that the mechanism for information loss is of prime importance and that it can define the representation. The objective is to make the mechanism explicit, by means of a production system architecture. A rule base defines an intelligent forgetting scheme, which manages a database of temporal facts. Two examples of rule bases are given. The starting point for the discussion is a model of temporal data as a matrix of values, temporal order being represented as row order. This background model is used as a universe in which to examine derivable representations. Representations involving data compression without loss of information are examined first. Then principles governing controlled information loss are examined. Information loss is characterised by means of invariance groups of transformations on the data matrix and a model of information loss as a taxonomy of production rules for data deletion is proposed. (19 Refs)

Subfile: C

Descriptors: database theory; knowledge based systems; knowledge representation; temporal databases; temporal logic

Identifiers: knowledge retrieval; knowledge storage; temporal facts database; values matrix; temporal knowledge representations; memory overflow; information loss; production system; rule base; intelligent forgetting; temporal data; temporal order; row order; data compression; invariance groups; production rules; data deletion

Class Codes: C6170 (Expert systems); C4210 (Formal logic); C1230 (Artificial intelligence); C4250 (Database theory); C6160Z (Other DBMS)

Abstract: ...Two examples of rule bases are given. The starting point for the discussion is a model of temporal data as a matrix of values, temporal order being represented as row order. This background model is used as a universe in which to examine derivable representations. Representations involving data compression without loss of information are examined first. Then principles governing controlled information loss are examined. Information loss is characterised by means of invariance groups of transformations on the data matrix and a model of information loss as a taxonomy of production rules for data deletion is proposed.

Identifiers: ...temporal order;row order;invariance groups;data deletion

33/5,K/3 (Item 3 from file: 4) [Links](#)

INSPEC

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06484615 INSPEC Abstract Number: C9703-6160Z-002

Title: SIDRA II-an aggregate database

Author Guedes, A.P.; dos Santos Cabral, M.S.

Conference Title: Survey and Statistical Computing 1996. Proceedings of the Second ASC International Conference p. 459-64

Editor(s): Banks, R.; Fairgrieve, J.; Gerrard, L.; Orchard, T.; Payne, C.; Westlake, A.

Publisher: Assoc. Survey Comput, Chesham, UK

Publication Date: 1996 **Country of Publication:** UK xii+464 pp.

ISBN: 0 9521682 2 7 **Material Identity Number:** XX96-02991

Conference Title: Proceedings of 2nd International Conference on Survey and Statistical Computing

Conference Date: 11-13 Sept. 1996 **Conference Location:** London, UK

Language: English **Document Type:** Conference Paper (PA)

Treatment: Practical (P)

Abstract: The modern statistical information dissemination system tends to present a good level of information about the data (metadata). SIDRA II provides all the necessary metadata to facilitate user understanding for comparative studies and analysis. The data modeling was done to comply with any statistical survey. In addition, the system supports presentation methods which make the man/machine interaction very easy to the user. Furthermore, the user interface provides easy important functions to modify (aggregation, deletion, ordering, specification...) the obtained results from the queries including data exportation to other known formats like **spreadsheets**. The SIDRA II project was done in three steps: the first one was the Data Model definition. It was done according to many suggestions of statistical IBGE's Departments. The second one was the building up of the Definition/Maintenance Subsystem. Finally the retrieval Subsystem was developed for three distinct environments. (2 Refs)

Subfile: C

Descriptors: information dissemination; statistical databases

Identifiers: statistical information dissemination; SIDRA II; aggregate database; metadata; user understanding; comparative studies; statistical survey; man/machine interaction

Class Codes: C6160Z (Other DBMS)

Copyright 1997, IEE

Abstract: ...interface provides easy important functions to modify (aggregation, deletion, ordering, specification...) the obtained results from the queries including data exportation to other known formats like **spreadsheets**. The SIDRA II project was done in three steps: the first one was the Data Model definition. It was done according to many suggestions of...

Set	Items	Description
S1	18233	SPREADSHEET? ? OR (DATA)()(MATRIX?? OR TABLE OR CHART? ?)
S2	4526	S1(100N)(DATAFIELD? ? OR TAG? ? OR LABEL? ? OR FIELD? ? OR ELEMENT? ? OR DATA()ITEM? ? OR FIELDNAME? ?)
S3	289456	DELET? OR ERAS? OR PURG? OR DEDUP??? OR (REMOV??? OR TAK???())OUT)(3N)(DUPLICATE? ? OR COPY OR COPIES OR SAME OR MATCH??? OR REDUNDAN? OR MULTIPLE? ? OR IDENTICAL OR DOUBL??)
S4	2006953	SORT??? OR TABULATE OR RANK? OR INDEX? OR CLASSIF? OR CATALOG??? OR ORDER??? OR ARRANG???? OR CATEGORIZ???? CATEGORIS???? OR GROUP??? OR ORGANIZ??? OR ORGANIS???
S5	211041	(MESSAGE? ? OR DATA OR DATUM OR FILE? ? OR INFORMATION OR DOCUMENT? ? OR RECORD? ? OR ENTIT??? OR CONTENT OR OBJECT? ?)(10N)(TABULAT? OR AGGREGAT??? OR AGGRAGAT??? OR GROUP? OR CLUSTER? OR BATCH?? OR CATEGORY)
S6	699	S2(5N)(S3 AND S4)
S7	164	S5(50N)S6
S8	151	S5(25N)S6
S9	55	S2(5N)(S3(50N)S4)
S10	91	S2(5N)(S3(100N)S4)
S11	24	S5(50N)S10
S12	6	S11 NOT PY=1999:2006
S13	18	S S8 NOT PY=1999:2006
S14	19	S S7 NOT PY=1999:2006
S15	19	SORT S14/ALL/PD

[File 348] **EUROPEAN PATENTS** 1978-2006/ 200644

[File 349] **PCT FULLTEXT** 1979-2006/UB=20061026UT=20061019

Higher relevance15/3K/3 (Item 3 from file: 348) [Links](#)**EUROPEAN PATENTS**(c) 2006 European Patent Office. All rights reserved.
00306062**Digital data processing system.**

Digitales Datenverarbeitungssystem.

Systeme du traitement de donnees numeriques.

Patent Assignee:

- **DATA GENERAL CORPORATION;** (410940)

Route 9; Westboro Massachusetts 01581; (US)

(applicant designated states: AT;BE;CH;DE;FR;GB;IT;LI;LU;NL;SE)

Inventor:

- **Bratt, Richard Glenn**

9 Brook Trail Road; Wayland Massachusetts 01778; (US)

- **Clancy, Gerald F.**

13069 Jaccaranda Center; Saratoga California 95070; (US)

- **Gavrin, Edward S.**

Beaver Pond Road RFD 4; Lincoln Massachusetts 01773; (US)

- **Gruner, Ronald Hans**

112 Dublin Wood Drive; Cary North Carolina 27514; (US)

- **Mundie, Craig James**

136 Castlewood Drive; Cary North Carolina; (US)

- **Schleimer, Stephen I.**

1208 Ellen Place; Chapel Hill North Carolina 27514; (US)

- **Wallach, Steven J.**

12436 Green Meadow Lane; Saratoga California 95070; (US)

Legal Representative:

- **Robson, Aidan John et al (69471)**

Reddie & Grose 16 Theobalds Road; London WC1X 8PL; (GB)

	Country	Number	Kind	Date	
Patent	EP	300516	A2	19890125	(Basic)
	EP	300516	A3	19890426	
	EP	300516	B1	19931124	
Application	EP	88200921		19820521	
Priorities	US	266413		19810522	
	US	266539		19810522	
	US	266521		19810522	
	US	266415		19810522	
	US	266409		19810522	
	US	266424		19810522	
	US	266421		19810522	
	US	266404		19810522	
	US	266414		19810522	
	US	266532		19810522	
	US	266403		19810522	
	US	266408		19810522	
	US	266401		19810522	
	US	266524		19810522	

Designated States:

AT; BE; CH; DE; FR; GB; IT; LI; LU; NL;

SE;

Related Parent Numbers: Patent (Application):EP 67556 (EP 823025960)**International Patent Class (V7):** G06F-009/46; G06F-012/14; **Abstract Word Count:** 122

Type	Pub. Date	Kind	Text
Publication: English			
Procedural: English			
Application: English			
Available Text	Language	Update	Word Count
CLAIMS B	(English)	EPBBF1	1018
CLAIMS B	(German)	EPBBF1	868
CLAIMS B	(French)	EPBBF1	1115
SPEC B	(English)	EPBBF1	154256
Total Word Count (Document A) 0			

Total Word Count (Document B) 157257
Total Word Count (All Documents) 157257

Specification: ...SBA Bus 21226 from PRMUX 20720. As previously described, SBA (0-4) is Starting Bit Address identifying the first or most significant bit of a data word. When a data word contains a signed number, most significant bit contains sign bit of that number. SGNSEL (0-4) input to SIGNSEL 23066...

15/3K/4 (Item 4 from file: 348) [Links](#)

EUROPEAN PATENTS

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00394008

Method for hiding and showing spreadsheet cells

Verfahren zum Verstecken oder Sichtbarmachen von Zellen in einem elektronischen Kalkulationsblatt

Procede pour cacher ou reveler des cellules d'une feuille de calcul electronique

Patent Assignee:

• **MICROSOFT CORPORATION;** (749861)

One Microsoft Way; Redmond, Washington 98052-6399; (US)

(applicant designated states: DE;FR;GB;IT)

Inventor:

• **Michelman, Eric H.**

16450 Sanborn Road; Saratoga, California 95070; (US)

• **Ben-Hur, Devin E.**

49 Showers Drive, No. 438; Mountain View, California 94040; (US)

Legal Representative:

• **Dipl.-Phys.Dr. Manitz Dipl.-Ing. Finsterwald Dipl.-Ing. Gramkow Dipl.Chem.Dr. Heyn Dipl.Phys. Rotermund**

Morgan, B.Sc.(Phys.) (100614)

Postfach 22 16 11; 80506 Munchen; (DE)

	Country	Number	Kind	Date	
Patent	EP	400620	A2	19901205	(Basic)
	EP	400620	A3	19930224	
	EP	400620	B1	19970730	
Application	EP	90110286		19900530	
Priorities	US	359678		19890531	

Designated States:

DE; FR; GB; IT;

International Patent Class (V7): G06F-017/24; G06F-017/60; **Abstract Word Count:** 123

Type	Pub. Date	Kind	Text
------	-----------	------	------

Publication: English

Procedural: English

Application: English

Available Text	Language	Update	Word Count
CLAIMS A	(English)		829
SPEC A	(English)		4754
CLAIMS B	(English)	9707W5	1559
CLAIMS B	(German)	9707W5	1597
CLAIMS B	(French)	9707W5	1721
SPEC B	(English)	9707W5	4751

Total Word Count (Document A) 5583

Total Word Count (Document B) 9628

Total Word Count (All Documents) 15211

Specification: ...first calculated (step 384) and examined (step 386). If memory is available, the hidden row data is moved to a special reserved area of the spreadsheet matrix. First, exchange parent's and total line's label, if present (steps 388 and 390). This is because the total line will remain on the worksheet, but without the detail showing, the relevant label is that of the parent then move interior detail lines (and parent line if total present) to reserved area (step 392). Move subsequent lines (and... ..connect the visible line (parent or total, as appropriate) to the hidden rows. This linkage formula causes a plus-sign to appear in the reserved spreadsheet column.

If off-sheet (step 382), a group linkage record is allocated (step 398), parent and total line's labels are exchanged (steps 388 and 390). Interior detail lines are transferred by writing the contents of each cell sequentially to the disk file area allocated. As each line is successfully written (steps 400-402), a row locator record is allocated and linked to the list of row locators from the group linkage record (steps 404, 406, 408). If a total line is present (step 410), save the total line to the disk file and replace its formulas with... ..current values (steps 412-414) before covering hidden areas (step 394). The linkage formula in Column A (step 396) contains the ID number of a group-record which is linked to the list of row-records made in steps 400-410. If an error is encountered when writing hidden lines to disk (step 402 or 414), the hide operation is undone by releasing allocated file space (step 416), freeing group and row locator records (step 418) and re-exchanging the parent and total labels (steps 420, 422).

Showing Rows

Hidden **groups** may be shown in response to commands given by the program operator. This is the inverse operation to hiding rows and when successful will restore the **spreadsheet** to the appearance it had before the hide operation. Examine row for presence of linkage formula in the first column (step 426). If no linkage... ..moving subsequent rows down (step 448). If on-sheet move hidden row data into newly opened area (steps 450, 452). If on disk, follow row- **record** links sequentially from **group record** and sequentially read cell contents from disk swap file (steps 456, 458, and 460). If total line present, exchange parent's and total's **label** (steps 462 and 464). If off-sheet storage, read total line's formulas from final hidden row record (steps 466 and 468). Release all disk storage allocated to the lines displayed (step 472) and free the **group** and row-locator **records** (step 474). Remove linkage formula from column A (step 476).

Swapping

The hierarchical organization of rows gives the program operator a convenient **grouping** for swapping **spreadsheet data** in and out of limited memory. With off-sheet storage, memory is reclaimed when **groups** are hidden. This enables the creation of **spreadsheets** larger than the central memory capacity of the computer.

For a spreadsheet larger than memory, the entire sheet may not be displayed at one time... ..time-based interval: months, quarters, years, or all-data. When hiding columns, data is not physically transferred, rather the hidden-column attribute of the host **spreadsheet** program is manipulated to prevent display of the desired columns. Temporary columns may be introduced to display summary (total) data for groups of columns.

1) Scan column headers left to right noticing when a break from one unit at the appropriate interval to the next occurs.

2) If the last column for a group is not a total for the interval, move subsequent columns right one column and install labels and formulas calculating the totals.

3) Install a special formula in the top row for the total column which records whether it was temporarily installed...

Specification: ...first calculated (step 384) and examined (step 386). If memory is available, the hidden row data is moved to a special reserved area of the **spreadsheet** matrix. First, exchange parent's and total line's **label**, if present (steps 388 and 390). This is because the total line will remain on the worksheet, but without the detail showing, the relevant **label** is that of the parent then move interior detail lines (and parent line if total present) to reserved area (step 392). Move subsequent lines (and...connect the visible line (parent or total, as appropriate) to the hidden rows. This linkage formula causes a plus-sign to appear in the reserved **spreadsheet** column.

If off-sheet (step 382), a **group linkage record** is allocated (step 398), parent and total line's **labels** are exchanged (steps 388 and 390). Interior detail lines are transferred by writing the contents of each cell sequentially to the disk file area allocated. As each line is successfully written (steps 400-402), a row locator record is allocated and linked to the list of row locators from the **group linkage record** (steps 404, 406, 408). If a total line is present (step 410), save the total line to the disk file and replace its formulas with... ..current values (steps 412-414) before covering hidden areas (step 394). The linkage formula in Column A (step 396) contains the ID number of a **group-record** which is linked to the list of row-**records** made in steps 400-410. If an error is encountered when writing hidden lines to disk (step 402 or 414), the hide operation is undone by releasing allocated file space (step 416), freeing **group** and row locator **records** (step 418) and re-exchanging the parent and total **labels** (steps 420, 422).

Showing Rows

Hidden **groups** may be shown in response to commands given by the program operator. This is the inverse operation to hiding rows and when successful will restore the **spreadsheet** to the appearance it had before the hide operation.

Examine row for presence of linkage formula in the first column (step 426). If no linkage... ..moving subsequent rows down (step 448). If on-sheet move hidden row data into newly opened area (steps 450, 452). If on disk, follow row- **record** links sequentially from **group record** and sequentially read cell contents from disk swap file (steps 456, 458, and 460). If total line present, exchange parent's and total's **label** (steps 462 and 464). If off-sheet storage, read total line's formulas from final hidden row record (steps 466 and 468). Release all disk storage allocated to the lines displayed (step 472) and free the **group** and row-locator **records** (step 474). Remove linkage formula from column A (step 476).

Swapping

The hierarchical organization of rows gives the program operator a convenient **grouping** for swapping **spreadsheet data** in and out of limited memory. With off-sheet storage, memory is reclaimed when **groups** are hidden. This enables the creation of **spreadsheets** larger than the central memory capacity of the computer.

For a spreadsheet larger than memory, the entire sheet may not be displayed at one time... ..time-based interval: months, quarters, years, or all-data. When hiding columns, data is not physically transferred, rather the hidden-column attribute of the host **spreadsheet** program is manipulated to prevent display of the desired columns. Temporary columns may be introduced to display summary (total) **data** for **groups** of columns.

1) Scan column headers left to right noticing when a break from one unit at the appropriate interval to the next occurs.

2) If the last column for a **group** is not a total for the interval, move subsequent columns right one column and install labels and formulas calculating the totals.

3) Install a special formula in the top row for the total column which records whether it was temporarily installed...

15/3K/11 (Item 11 from file: 348) **Links**

EUROPEAN PATENTS

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00640681

FILE TRANSLATION SYSTEM

DATEIENUMSETZUNGSSYSTEM

SYSTEME DE TRADUCTION DE FICHIERS

Patent Assignee:

• **APPLE COMPUTER, INC.;** (1211950)

20525 Mariani Avenue; Cupertino, California 95014; (US)

(applicant designated states: AT;BE;CH;DE;DK;ES;FR;GB;GR;IE;IT;LI;LU;NL;PT;SE)

Inventor:

- **ASHE, Dylan, B.**
870 East El Camino Drive; Sunnyvale, CA 94087; (US)
 - **KLEDZIK, Nick, G.**
21103 Patriot Way; Cupertino, CA 95014; (US)
- Legal Representative:

- **Poulin, Gerard et al (17982)**
Societe de Protection des Inventions 25, rue de Ponthieu; 75008 Paris; (FR)

	Country	Number	Kind	Date	
Patent	EP	676069	A1	19951011	(Basic)
	EP	676069	B1	19980311	
	WO	9415307		19940707	
Application	EP	94905524		19931227	
	WO	93US12585		19931227	
Priorities	US	997688		19921228	

Designated States:

AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
IT; LI; LU; NL; PT; SE;

International Patent Class (V7): G06F-017/22; G06F-017/30;

NOTE: No A-document published by EPO

Type	Pub. Date	Kind	Text
------	-----------	------	------

Publication: English

Procedural: English

Application: English

Available Text	Language	Update	Word Count
CLAIMS B	(English)	9811	472
CLAIMS B	(German)	9811	466
CLAIMS B	(French)	9811	479
SPEC B	(English)	9811	7110
Total Word Count (Document A) 0			
Total Word Count (Document B) 8527			
Total Word Count (All Documents) 8527			

Specification: ...also to translate it.

The FileTranslationList record has the following structure:

This record contains a modification date and a count of the number of translation **groups** that follow. Each translation group in the file translation list specifies a collection of file types from which the extension can translate (the **group1SrcTypes** field) and a collection of file types into which the extension can translate (the **group1DstTypes** field). Within a translation **group**, an extension must be able to translate any of the source types into any of the destination types.

Different translation **groups** may correspond to different categories of applications within a **group**. For instance, you can place word processing applications in one **group**, **spreadsheet** applications in another, and so on. In most cases, group1SrcCount and group1DstCount will each be greater than 1, because most translators operate by translating through a particular data model. In these cases, it's also quite likely that the source and destination file types overlap or even coincide.

Within any particular **group** of file types, you specify a particular **document** format using a file type specification, defined by the FileTypeSpec data type.

A file type specification includes the file type, a hint reserved for use by your extension, a **flags** field, and the original file type and creator. Because the list of file types that this extension can translate never changes, DoGetFileTranslationList fills out a file...

15/3K/12 (Item 12 from file: 349) [Links](#)

PCT FULLTEXT

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00312916

TELEVISION SCHEDULE INFORMATION TRANSMISSION AND UTILIZATION SYSTEM AND PROCESS
SYSTEME ET PROCEDURE DE TRANSMISSION ET D'UTILISATION D'INFORMATIONS RELATIVES AUX
PROGRAMMES DE TELEVISION

Patent Applicant/Patent Assignee:

- **STARSIGHT TELECAST INC;**

::

	Country	Number	Kind	Date
Patent	WO	9531069	A1	19951116
Application	WO	95US5169		19950424
Priorities	US	94229225		19940504
	US	94243598		19940513

Designated States: (All protection types applied unless otherwise stated - for applications 2004+)

Publication Language: English

Filing Language:

Fulltext word count: 55495

Detailed Description:

...the entry may be relocated and expanded to multiple Pool Blocks (but its Handle will stay the same).

Further details are provided in Table XXX.

Field Description

Type/Nbr Blks Pool entry type and number of consecutive Pool blocks required for the entry. Show Title Pool Type = 5?H.

Theme ID Unique number associated with Theme **Category Data** for this show. This is an **index** into the Theme **Category Data Table**.

Compressed Flag Flag indicating if Show Title text is compressed or not.

Sometimes compression actually lengthens the string, so this

flag is used to suppress...Reference Count Number of times this show description is referenced by a Show List, Record Queue entry, or other item in the database.

When this **field** is 0 the entry and its corresponding Show

Description Handle Table entry are candidates for **deletion**.

Theme ID Unique number associated with Theme **category data** for this episode of the show. This is an **index** into the Theme

Category Data Table.

Show Description Text string for the show name. Normally this string is compressed by Huffman encoding; however, if the 'compressed' flag is not set, the...

15/3K/13 (Item 13 from file: 349) [Links](#)

PCT FULLTEXT

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00340755

METHOD AND SYSTEM FOR ACCESSING DATA

PROCEDE ET SYSTEME D'ACCES A DES DONNEES

Patent Applicant/Patent Assignee:

- THORSEN Hans Verner;

::

	Country	Number	Kind	Date
Patent	WO	9623267	A1	19960801
Application	WO	95SE1315		19951106
Priorities	SE	95277		19950126

Designated States: (All protection types applied unless otherwise stated - for applications 2004+)

Detailed Description:

...the text file to a data structuring means 24, which depending on a control file 26 restructures the data and produces a number of atomic **data items** 28. The control file 26 describes the format of the input file and the data atoms to be produced. In some implementations of the invention, depending on the original data storage, a per se known

spreadsheet or the like

may be used in a ...process

The data file 22 may e.g. contain tables 32 of phone book particulars, as shown in Fig 3, which are transformed to atomic **data items** 28. The object

identities in this example are users id

1 and id 2, respectively, and each **data item**

describes an aspect of one of the objects. The data is structured into specific data classes, and each **classified** piece of data is thus stored in an atomic **data item**. In this particular example, each class represents an aspect of the object and each class contains one data item. Data that varies over time is updated by adding

new **data items** to the relevant class forming a **group of data items**

A third embodiment, where new references to **data** are established but the

data is kept in the old database is especially useful during a transition from a state of the art database to...

Subject summary15/3K/1 (Item 1 from file: 348) [Links](#)

EUROPEAN PATENTS

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00244796

Image processing system with capability of enlarging and reducing operations.

Bildverarbeitungssystem mit Fähigkeit zum Vergrossungs- und Reduzier-Betrieb.

Système de traitement image capable d'operations d'agrandissement et de reduction.

Patent Assignee:• **KONICA CORPORATION;** (206970)

26-2, Nishi-shinjuku 1-chome Shinjuku-ku; Tokyo 163; (JP)

(applicant designated states: DE;FR;GB)

Inventor:• **Abe, Yoshinori**

Konishiroku Photo Ind. Co., Ltd. 2970 Ishikawa-cho; Hachioji-shi Tokyo; (JP)

• **Matsunawa, Masahiko**

Konishiroku Photo Ind. Co., Ltd. 2970 Ishikawa-cho; Hachioji-shi Tokyo; (JP)

• **Yamamoto, Hiroyuki**

Konishiroku Photo Ind. Co., Ltd. 2970 Ishikawa-cho; Hachioji-shi Tokyo; (JP)

Legal Representative:• **Senior, Alan Murray et al (35711)**

J.A. KEMP & CO. 14 South Square Gray's Inn; London WC1R 5LX; (GB)

	Country	Number	Kind	Date	
Patent	EP	232081	A2	19870812	(Basic)
	EP	232081	A3	19900711	
	EP	232081	B1	19940330	
Application	EP	87300555		19870122	
Priorities	JP	869946		19860122	
	JP	8664503		19860322	
	JP	8664505		19860322	
	JP	8664506		19860322	

Designated States:

DE; FR; GB;

International Patent Class (V7): G06F-015/62; ; **Abstract Word Count:** 78

Type	Pub. Date	Kind	Text
------	-----------	------	------

Publication: English

Procedural: English

Application: English

Available Text	Language	Update	Word Count
CLAIMS B	(English)	EPBBF1	833
CLAIMS B	(German)	EPBBF1	680
CLAIMS B	(French)	EPBBF1	944
SPEC B	(English)	EPBBF1	12006

Total Word Count (Document A) 0

Total Word Count (Document B) 14463

Total Word Count (All Documents) 14463

Specification: ...signal processing. The enlargement or reduction in the sub-scanning direction is carried out by varying the scanning speed in relation to the photoelectric conversion element or image information while keeping the exposure of the similar element unchanged.

The slowdown in scanning rate along the sub-scanning direction enlarges the original image, and, the speedup reduces the image.

In Fig. 3, the timing signal generating circuit 10 is so arranged to generate the timing signals, one of which controls the processing timing of the image processing circuit 2 as a whole. The synchronizing clock signal (CLK), the horizontal direction valid signal (H-VAL), the vertical direction valid signal (V-VAL) and the horizontal direction synchronizing signal (H-SYNC) are fed into the timing signal generating circuit 10 in the same manner as for the CCD 60.

In addition to the timing signal, mentioned above, the timing signal generating circuit 10 at the same time outputs the clock

15/3K/2 (Item 2 from file: 348) [Links](#)

EUROPEAN PATENTS

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00274821

System for data field area acquisition in IC card for multiple services.

System zur Datenfeldbereicherfassung in einer IC-Karte für mehrfache Dienste.
 Systeme pour la saisie de surface de champ de données dans une carte à circuit intégré pour des services multiples.

Patent Assignée:

● **FUJITSU LIMITED**; (211460)
 1015, Kamikodanaka Nakahara-ku; Kawasaki-shi Kanagawa 211; (JP)
 (applicant designated states: DE;FR;GB)
 Inventor:

● **Ogasawara, Nobuo**
 688-11, Suenaga Takatsu-ku; Kawasaki-shi Kanagawa 213; (JP)
 Legal Representative:

● **Joly, Jean-Jacques et al (39741)**
 Cabinet Beau de Lomenie 158, rue de l'Université; F-75340 Paris Cedex 07; (FR)

	Country	Number	Kind	Date	
Patent	EP	261030	A2	19880323	(Basic)
	EP	261030	A3	19900124	
	EP	261030	B1	19940518	
Application	EP	87402060		19870915	
Priorities	JP	86217723		19860916	

Designated States:

DE; FR; GB;

International Patent Class (V7): G06F-001/00; G07F-007/10; Abstract Word Count: 117

Type	Pub. Date	Kind	Text
------	-----------	------	------

Publication: English
 Procedural: English
 Application: English

Available Text	Language	Update	Word Count
CLAIMS B	(English)	EPBBF1	402
CLAIMS B	(German)	EPBBF1	327
CLAIMS B	(French)	EPBBF1	471
SPEC B	(English)	EPBBF1	2084
Total Word Count (Document A) 0			
Total Word Count (Document B) 3284			
Total Word Count (All Documents) 3284			

Specification: ...is disclosed in FR-A-2 473 755. The memory of this prior art is divided into a zone containing an undeletable user identification code and a separate zone for storing data such as commercial transactions. The data can only be deleted by a specially authorized group of users. A comparator is provided to authorize access to the data zone only if there is correspondence between a code entered on an external device to which the card is connected and the code stored in the card. SUMMARY OF THE INVENTION

It is an object of the present invention to provide an improved system for data field area acquisition wherein a plurality of area user identifications and authentication codes and usable area size data are stored in an IC card upon issuance of the IC card. A data field formation demand by a person other than an authenticated area user or a data field formation demand for an area larger than a predetermined size is rejected, so the IC card can be protected from illegal data field formation.

According to the present invention, there is provided a system for data field area acquisition in an IC card for multiple services, as defined in claim 1.

BRIEF DESCRIPTION OF THE DRAWINGS

In the drawings,

Fig. 1 is a perspective view of an IC card used in a system...

15/3K/5 (Item 5 from file: 348) [Links](#)**EUROPEAN PATENTS**

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00438230

Method of evaluating objects based upon image processing, and inspection apparatus using said method

Bildverarbeitungsverfahren zur Bewertung von Objekten und Vorrichtung zur Qualitätsprüfung zur Durchführung des Verfahrens

Methode de traitement d'image pour l'évaluation d'objets, et appareil d'inspection mettant en oeuvre cette méthode

Patent Assignee:

● **CANON KABUSHIKI KAISHA**; (542361)
 30-2, 3-chome, Shimomaruko, Ohta-ku; Tokyo; (JP)
 (applicant designated states: DE;FR;GB;IT;NL)
 Inventor:

- **Nishimori, Eiji**

2201-3-105, Kurogane-cho, Midori-ku; Yokohama-shi, Kanagawa-ken; (JP)

- **Shingu, Toshiaki**

c/o Canon Daini Aobadai-ryo, 36-1, Midori-ku; 2-chome, Yokohama-shi, Kanagawa-ken; (JP)

Legal Representative:

- **Beresford, Keith Denis Lewis et al (28273)**

BERESFORD & Co. 2-5 Warwick Court High Holborn; London WC1R 5DJ; (GB)

	Country	Number	Kind	Date	
Patent	EP	435660	A2	19910703	(Basic)
	EP	435660	A3	19920212	
	EP	435660	B1	19970604	
Application	EP	90314291		19901224	
Priorities	JP	89343107		19891229	
	JP	89343108		19891229	

Designated States:

DE; FR; GB; IT; NL;

International Patent Class (V7): G06T-007/00; G06K-009/46; **Abstract Word Count:** 51

Type	Pub. Date	Kind	Text
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Publication: English

Procedural: English

Application: English

Available Text	Language	Update	Word Count
CLAIMS B	(English)	EPAB97	572
CLAIMS B	(German)	EPAB97	519
CLAIMS B	(French)	EPAB97	712
SPEC B	(English)	EPAB97	7979
Total Word Count (Document A) 0			
Total Word Count (Document B) 9782			
Total Word Count (All Documents) 9782			

Specification: ...be described merely by two values, i.e., true and false. Such ambiguity generally is of a fairly complex nature rich in diversity.

Thus, in fields where the participation of human judgment is required, there are many cases in which a satisfactory description cannot be rendered merely by a binary evaluation... ..of (0,1) multivalued evaluation which positively takes intermediate ambiguous states into account. Fuzzy clustering involves introducing this concept of "0,1" multivalued evaluation into clustering.

Here n-number of objects for classification (hereinafter referred to as "individuals") are represented by or by A p-variable observation vector of an i-th individual is represented by and the entirety of a multivariate data matrix is written as follows:

It will be assumed that a set E of individuals is suitably divided and that c-number of clusters (namely a...

15/3K/6 (Item 6 from file: 348) [Links](#)

EUROPEAN PATENTS

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00456699

Graphic data handling method and system

Verwaltungsverfahren und -system für graphische Daten

Procédé et système de gestion de données graphiques

Patent Assignee:

- **HITACHI, LTD.;** (204144)

6, Kanda Surugadai 4-chome; Chiyoda-ku, Tokyo 100; (JP)

(applicant designated states: DE;FR;GB)

- **HITACHI SEIKO, LTD.;** (689523)

2100 Kamiimaizumi; Ebina-shi, Kanagawa; (JP)

(applicant designated states: DE;FR;GB)

Inventor:

- **Kakumoto, Shigeru**

5-201, 6-5, Josuihoncho; Kodaira-shi, Tokyo; (JP)

- **Kato, Masayasu**

2-22-13, Daihara; Hitachi-shi, Ibaragi; (JP)

- **Otsu, Fumitaka**

5-38-2-504, Narashinodai; Funabashi-shi, Chiba; (JP)

• **Watanabe, Kazuo**
 10-202, 2-2, Higashinaruse; Isehara-shi, Kanagawa; (JP)
Legal Representative:

• **Strehl Schubel-Hopf & Partner (100941)**
 Maximilianstrasse 54; 80538 Munchen; (DE)

	Country	Number	Kind	Date	
Patent	EP	443531	A2	19910828	(Basic)
	EP	443531	A3	19930811	
	EP	443531	B1	19980916	
Application	EP	91102369		19910219	
Priorities	JP	9036038		19900219	

Designated States:

DE; FR; GB;

International Patent Class (V7): G06F-017/30; ; **Abstract Word Count:** 270

Type	Pub. Date	Kind	Text
Publication:	English		
Procedural:	English		
Application:	English		

Available Text	Language	Update	Word Count
CLAIMS B	(English)	9838	1775
CLAIMS B	(German)	9838	1535
CLAIMS B	(French)	9838	1941
SPEC B	(English)	9838	9483
Total Word Count (Document A) 0			
Total Word Count (Document B) 14734			
Total Word Count (All Documents) 14734			

Specification: ...the figure discriminators D and that have the corresponding address are selected on the basis of the addresses and figure discriminators D in the extracted **data items**, the distances between the **group** of selected lines and the point P are mathematically evaluated from the respective coordinates thereof and are compared, and the nearest line is selected (step... ..coordinates of the point P are changed into those of the point Q.

Further, the method can be applied to the construction of an address **data table** concerning three-dimensional figures by increasing the dimensions DP of the array (I,J,K).

Next, referring to Figs 7(a) through (e), there will be described methods of storing address data in the case where the number of graphic **data items** is excessively large relative to a fixed memory capacity prepared beforehand and empty memory areas (substitutable memory spaces) are nearby, so all of the address...

15/3K/7 (Item 7 from file: 349) [Links](#)

PCT FULLTEXT

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00217941

INTEGRATED APPLICATION CONTROLLED CALL PROCESSING AND MESSAGING SYSTEM
SYSTEME INTEGRE DE MESSAGERIE ET DE TRAITEMENT D'APPEL GERE PAR APPLICATIONS

Patent Applicant/Patent Assignee:• **VMX INC;**

;;

	Country	Number	Kind	Date
Patent	WO	9215166	A1	19920903
Application	WO	92US1248		19920219
Priorities	US	91279		19910221

Designated States: (All protection types applied unless otherwise stated - for applications 2004+)

Publication Language: English

Filing Language:

Fulltext word count: 18140

Detailed Description:

...is found in the table, the applications processor can deliver to the caller the matching item (RETURN-ITEM) in a spoken form.

15 The **LOCAL DATA table** 711 contains information about local databases. Each table entry serves as a definition of a data base, identifying the data base structure and type. A data base consists of a collection of records, each containing several **fields** of data. When a local

data base is defined by making a **LOCAL DATA** table entry, the data base is assigned a structure that describes the format of the individual records in the data base. This structure consists of **group of field** names.

Optionally, one **field** name in the **group** can be assigned as the **index field**.

Each local data base has a data base type that determines which flow commands can be used to access records. Additionally, the data base type identifies

15/3K/8 (Item 8 from file: 348) [Links](#)

EUROPEAN PATENTS

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00557821

INTEGRATED APPLICATION CONTROLLED CALL PROCESSING AND MESSAGING SYSTEM

INTEGRIERTES ANWENDUNGSGESTEUERTES ANRUFVERARBEITUNGS- UND NACHRICHTENSYSYSTEM

SYSTEME INTEGRE DE MESSEAGERIE ET DE TRAITEMENT D'APPEL GERE PAR APPLICATIONS

Patent Assignee:

• **VMX, INC.**; (1659191)

2115 O'Nel Drive; San Jose, California 95131; (US)

(applicant designated states: BE;DE;FR;GB;IT;LU;NL;SE)

Inventor:

• **CHENCINSKI, Arnold**

830 Bourbon Court; Mountain View, CA 94041; (US)

• **LADD, David, J.**

14568 Horseshoe Court; Saratoga, CA 95070; (US)

• **LIBERTY, Michael, A.**

47489 Mantis Street; Fremont, CA 94539; (US)

• **SINN, Robert, H.**

1320 Bedford Avenue; Sunnyvale, CA 94087; (US)

Legal Representative:

• **Schmidt, Steffen J., Dipl.-Ing. (70552)**

Wuesthoff & Wuesthoff, Patent- und Rechtsanwälte, Schweigerstrasse 2; 81541 Munchen; (DE)

	Country	Number	Kind	Date	
Patent	EP	572544	A1	19931208	(Basic)
	EP	572544	A1	19940824	
	EP	572544	B1	19960904	
	WO	9215166		19920903	
Application	EP	92907415		19920219	
	WO	92US1248		19920219	
Priorities	US	660279		19910221	

Designated States:

BE; DE; FR; GB; IT; LU; NL; SE;

International Patent Class (V7): H04M-001/64; H04M-003/50;

NOTE: No A-document published by EPO

Type	Pub. Date	Kind	Text
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Publication: English

Procedural: English

Application: English

Available Text	Language	Update	Word Count
CLAIMS B	(English)	EPAB96	909
CLAIMS B	(German)	EPAB96	810
CLAIMS B	(French)	EPAB96	983
SPEC B	(English)	EPAB96	15493

Total Word Count (Document A) 0

Total Word Count (Document B) 18195

Total Word Count (All Documents) 18195

Specification: ...item is found in the table, the applications processor can deliver to the caller the matching item (RETURN-ITEM) in a spoken form.

The **LOCAL DATA** table 711 contains information about local databases. Each table entry serves as a definition of a data base, identifying the data base structure and type. A data base consists of a collection of records, each containing several fields of data. When a local data base is defined by making a **LOCAL DATA** table entry, the data base is assigned a structure that describes the format of the individual records in the data base. This structure consists of **group of field** names. Optionally, one **field** name in the **group** can be assigned as the **index field**. Each local data base has a data base type that determines which flow commands can be used to access records. Additionally, the data base type identifies whether flows...

15/3K/9 (Item 9 from file: 349) [Links](#)

PCT FULLTEXT

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00267138

FILE TRANSLATION SYSTEM

SYSTEME DE TRADUCTION DE FICHIERS

Patent Applicant/Patent Assignee:● **APPLE COMPUTER INC;**

;;

	Country	Number	Kind	Date
Patent	WO	9415307	A1	19940707
Application	WO	93US12585		19931227
Priorities	US	92997688		19921228

Designated States: (All protection types applied unless otherwise stated - for applications 2004+)

Publication Language: English

Filing Language:

Fulltext word count: 8507

Detailed Description:

...group I SrcTypes.

ARRAY [LgroupIsrcCount]

OF FileTypeSpec;)

jgroupIDstCount.

LongInQ

(groupIDstEntrySize.

LongInQ

(g roupIDstTypes.

ARRAY [LgroupIDstCount]

OF FileTypeSpec;)

(repeat above six lines for a total of **groupCount** times)

END;

This **record** contains a modification date and a count of the number of translation groups that follow. Each translation **group** in the file translation list specifies a collection of **file** types from which the extension can translate (the **group I SrcTypes** field) and a collection of **file** types into which the extension can translate (the **groupIDstTypes** field). Within a translation group, an extension must be able to translate any of the source types into any of the destination types. Different translation groups may correspond to different categories of applications within a group. For instance, you can place word processing applications in one **group**, **spreadsheet** applications in another, and so on. In most cases, **group I SrcCount** and **group I DstCount** will each be greater than 1, because most translators operate by translating through a particular data model. In these cases, it's also quite likely that the source and destination **file** types overlap or even coincide.

Within any particular **group** of **file** types, you specify a particular **document** format using a file type specification, defined by the **FileTypeSpec** data type,

TYPE FileTypeSpec

RECORD

format.

FileType;

hint.

LongInt;

flags.

Translation Attributes;

catInfoType.

OSType;

catInfoCreator.

OSType...

15/3K/10 (Item 10 from file: 348) [Links](#)

EUROPEAN PATENTS

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00712602

A distributed database architecture and distributed database management system for open network evolution.

Architektur einer verteilten Datenbank und System zum Verwalten einer verteilten Datenbank für die Entwicklung in einem offenen Netzwerk.

Architecture d'une base de données distribuée et système pour la gestion d'une base de données distribuée pour

evolution dans un reseau ouvert.

Patent Assignee:

• **Siemens Stromberg-Carlson;** (1634230)
900 Broken Sound Parkway; Boca Raton, Florida 33487; (US)
(applicant designated states: AT;BE;CH;DE;DK;ES;FR;GB;GR;IE;IT;LI;LU;MC;NL;PT;SE)
Inventor:

• **Oulid-Aissa, Mourad**
22173 Martella Avenue; Boca Raton, FL 33433; (US)
• **Cole, Charles Allen**
10033 NW 20th Street; Coral Springs, FL 33071; (US)
• **Tavanyar, Simon Edwin**
1387 Black Willow Trail; Altamonte Springs, FL 32714; (US)
Legal Representative:

• **Allen, Derek et al (55491)**
Siemens Shared Services Limited, c/o Siemens AG, P.O. Box 22 16 34; 80506 Munich; (DE)

	Country	Number	Kind	Date	
Patent	EP	675451	A2	19951004	(Basic)
	EP	675451	A3	19961204	
Application	EP	95102702		19950224	
Priorities	US	220994		19940330	
	US	221300		19940330	
	US	221320		19940330	
	US	220992		19940330	

Designated States:

AT; BE; CH; DE; DK; ES; FR; GB; GR; IE;
IT; LI; LU; MC; NL; PT; SE;

International Patent Class (V7): G06F-017/30; ; **Abstract Word Count:** 140

Type	Pub. Date	Kind	Text
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Publication: English
Procedural: English
Application: English

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPAB95	5729
SPEC A	(English)	EPAB95	15774
Total Word Count (Document A) 21503			
Total Word Count (Document B) 0			
Total Word Count (All Documents) 21503			

Specification: ...523-526 serves two purposes: (i) it hides details of physical database from the users (structure transparency); and (ii) it is a convenient unit of data allocation; for example, a data group can be allocated, as a whole, to a node, or a software container (e.g., capsule, service provision unit).

Each object class is a data table with "key" and "non-key" attributes, where each key attribute identifies a unique element within the table. At the logical layer of the DGWs 521,522, a data table is composed of three logical parts: 1) the key table provides access to the elements; 2) the indirection table provides a decoupling of the logical keys from the physical record location; and 3) a pool of records which contains the... data agent/physical level, the three different parts assume specific data structures, search techniques, and physical representation in memory.

2.2.1 Database Access Routines / Data Group Workers (DGWs)

DGWs 521,522 operate on an object-class, or tightly-related object-classes, as one logical data table. The DGWs use the DAs 523-526 as follows: (1) search the specified element through a key table; (2) access the relevant record in an indirection table; and (3) decode or encode the attributes of the physical record.

The...

15/3K/14 (Item 14 from file: 349) [Links](#)

PCT FULLTEXT

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00345324

APPARATUS FOR APPLYING IF-THEN-ELSE RULES TO RELATIONAL DATABASE

APPAREIL APPLIQUANT LES REGLES SI-ALORS-SINON A UNE BASE DE DONNEES RELATIONNELLE

Patent Applicant/Patent Assignee:

• **AMADO Armando;**

::

	Country	Number	Kind	Date
Patent	WO	9627837	A1	19960912
Application	WO	95US16156		19951208
Priorities	US	95400355		19950308

Designated States: (All protection types applied unless otherwise stated - for applications 2004+)

Publication Language: English

Filing Language:

Fulltext word count: 20136

Detailed Description:

...1: The organization's databases (1 to 4) aren't shown, since these are non-essential to the invention's operation and the invention's **data table** contains all their information. Two components are added: the tests database (9) and the test-processing engine (10). Inference engines and expert systems (6) typically... ..s formula (20) is read from the test database (9). The test-processing procedures (26) apply this formula to the corresponding data database's (5) **data items**, according to the **data** database's **data item** identifiers (21) and the **group** identifiers (22) associated to each test. When the result of any of these test's formulas (20) is TRUE, some information associated to that particular...6. inference engine and expert system

7. diagnostics database

8. querying engine

9. tests database

10. test-processing engine

11. lines or records containing individual **data items**

12. individual **data items** of the data to be analyzed

13. data to be analyzed

14. **group** descriptions data tables

15. **group elements** data tables

16. related **index** files

17. tests descriptions table

18. test identifiers

19. name and description for each test

20. associated formulas

21. **data** database's **data item** identifiers

22. **group** identifiers

23. triggers **data table**

24. associated actions database

25. related index files

26. test-processing procedures

27. diagnostics data tables

28. knowledge database

29. sets of rules...finally, query the diagnostics and the data in a coordinated manner.

Figure 14 shows a screen showing the contents of a typical application **data table** (together with other files and tables). In the best embodiment's **data table**, also called data DBF file (13, 37) each record represents a different concept, such as sales, costs or profits, and each **field** represents a different time period. Each **field** may represent a different consecutive month.

The user could start his work with the data by defining **data item groups**. This step is optional.

5 Groups are defined by their codes and names, and their components and internal structure are a simple list of pairs: the **group** identifier **GROUP** and the **data record** identifier **DATA**.

Now the user will define tests and formulas. The tests DBF file test.dbf holds all tests. The simplest tests simply compare the value of...

15/3K/15 (Item 15 from file: 349) [Links](#)

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00376051

STORAGE PLANE ORGANIZATION AND STORAGE SYSTEMS BASED THEREON

ORGANISATION PLANE DE STOCKAGE ET SYSTEMES DE STOCKAGE UTILISANT CETTE ARCHITECTURE

Patent Applicant/Patent Assignee:

• **INTERNATIONAL BUSINESS MACHINES CORPORATION;**

::

	Country	Number	Kind	Date
Patent	WO	9716794	A1	19970509
Application	WO	95IB944		19951102
Priorities	WO	95IB944		19951102

Designated States: (All protection types applied unless otherwise stated - for applications 2004+)

Publication Language: English
 Filing Language:
 Fulltext word count: 8414

Detailed Description:

...to the relational principles of data normalization such as, for example, avoiding repeating data groups in the same row of a table. single-valued parametric **index elements** 25 of a particular information unit 24 of Figure 4A are grouped together in one row of the parametric index table 47 of Figure 4B, whereas multiple parametric **index elements** or **groups** of such **elements** form individual **index tables** 48 of their own. However, both parametric **index table** types 47 and 48 (single- and multi-valued ones) are **organized** very similarly, each consisting of a reference pointer (471 for the single-value table 47, 481 for multi-value tables 48) serving as a link to the particular reference pointer 463 in the body **data table** 46. In each **index table** 47 or 48, the reference pointer is associated with the particular **index elements** and their values. These are, in our example: Account - 472, Account Type 473, and Currency-Code 474 as single values in table 47, Value-Date 482 and Interest-Amount 483 as a pair of repeating **index elements** in table 48.

The contextual **index** subsection 42 and signal index subsection 43 follow similar principles if implemented with the help of a Relational Database Management System (RDBMS). These index subsections...

15/3K/16 (Item 16 from file: 349) [Links](#)

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00376923

STRUCTURED FOCUSED HYPERTEXT DATA STRUCTURE

STRUCTURE DE DONNEES HYPERTEXTE ARTICULEE SUR LA STRUCTURATION

Patent Applicant/Patent Assignee:

- **HYPERMED LTD;**

;;

- **OREN Avraham;**

;;

- **OLCHA Lev;**

;;

- **KOWALSKI Nahum;**

;;

- **MARGULYAN Rita;**

;;

	Country	Number	Kind	Date
Patent	WO	9717666	A2	19970515
Application	WO	96IL131		19961023
Priorities	US	95551929		19951023

Designated States: (All protection types applied unless otherwise stated - for applications 2004+)

Publication Language: English
 Filing Language:
 Fulltext word count: 263802

Detailed Description:

...scheme. Other visual (or audio-visual) schemes will be apparent to those of skill in the art from the disclosure herein. The invention provides a **data structure**, methods and systems as described herein. In a hyper-texted data structure according to the invention, the data structure

6

SUBSTITUTE SHEET (RULE 26... ...data units; and the Linking is such that the at least one hypertext node is linked to the data base.

In another embodiment the hierarchical **data structure** comprises a plurality of first data units representing pages positioned at different levels in the hierarchy, each containing information, a plurality of second data...systems;

Fig. 2 is a diagram representing a hierarchical, multi-parent data structure of the present invention;

Fig. 3 shows the relationships between the database files in the data structure of one preferred embodiment of the present invention;

Figs. 4 -8 are examples of screen displays of a medical database in accordance with a... more

if about any concept or top'

spec IC I I IC.

Other protocols which should be tested for during quality control testing in the data structure described herein include the following.

1. Every page with multiple parent chapters should have a default parent chapter;

2. All the chapter names should be unique, and synonyms for chapter names used to enhance searching and indexing of chapters should not contradict;

J. Every chapter has a contribution page which lists the names of the authors of the content contained U'l...is linked, and no additional copy of the paragraph need be created or stored in the database. This screen also allows users to change the order of paragraphs on a screen and to add and delete paragraphs.

Fig. 11 is a "Page Editor" screen which allows for the placement of pages within the data structure hierarchy. The hierarchy is shown in the table of contents, and a page can be added or removed from the hierarchy or moved up or down within the hierarchy. The default for a ...End If ShapeNumber),

Case frmShapeProperties.txtValue.Text

PROPERTY-ROW-BORDER-WIDT

H ShapeChanged(FindedShapeNumber)

If Not True

IsNumeric(frmShapeProperties.txtValu Else

e-Text) Then ChangeShapeName

Tag

MsgBox "Must be number fmiAlgon'thmEditor-InLine(FindedLin

from 1 to 8192" eNumber),

UndoChangesValuePropertv fmnShapeProperties.txtValue.Text

Elsel Not

Between(Val(frmShapeProperties.txtV LineChanged(FindedLineNumber... If End Sub

Next LineNumber

Sub ClearPointOnMultiSelected

End Sub

Dim PointNumber As Integer

Sub

ClearAllControlPointOnSelectedLine

51

SUBSTITUTE SHEET (RULE 26)

For PointNumber = 1 To Sub DeleteNodesFromTable

CountControlPointsForMiltiSelection - (TextNumber As Integer)

1

Unload Dim qurDeleteNodes As QueryDef

fmiAlgorithmEditor.shpControlPointF

orMiltiSelection(PointNumb er) Set qurDeleteNodes

Next PointNumber dbHyperText.OpenQuervDef(" Delete

Nodes From algorithm with Specific

TextID")

fn-nAlgorithmEditor.shpControlPointF qurDeleteNodes![Specific TextIDj

orMiltiSelection(O).Visible = False TextsID(TextNumber)

CountControlPointsForMiltiSelection qurDeleteNodes.Execute

qurDeleteNodes.Close

End Sub... Name"

frmShapeProperties.grdProperties.Row fr-mShapeProperties.grdProperties.Col

= PROPERTY-ROW-FONT-NAME = 1

frmShapeProperties.grdProperties.Text fi-mShapeProperties-grdProperties-Text

"FontName"

fmiAlgorithmEditor-pi cText(FindedTe

xtNumber).Tag

frmShapeProperties.grdProperties.Row

PROPERTY-ROW-FONT-SIZE

frmShapePr operties.grdProperties.Row

fnnShapeProperties.grdProperties.Text PROPERTY-ROW-FONT-COLOR

"FontSize"

frmShapeProperties.grdProperties.Text

= 1w&H11 &

frmShapeProperties.grdProperties...are found Loop While Maximum >= Minimum

'in Datascreen from location loc 1 to f

```

loc1 +Occ1 - I End Function
EvaluateAndPerformSearch = occ1
I Sub FillDataListWith (element As
Exit Function String)
FailedSearch2: Dim NumberOccurrencesThisWord As
ShowThatSearchFailed Long, WordCode As Long
EvaluateAndPerformSearch = -I Dim IDno As Long
Exit Function Dim cNumOccs As Long,
StanThisListAt As Long, NumInList
End Function As Long
I
Function ExistsIn (datalocbase As 'This routine will find the element in
Long, shiftloc As Long, the Indexed words table
LocToStartCheckAgainst As Long, 'It will then retrieve the long integer
NumToCheck As Long) As Long code
Dim dataloc As Long 'With the long integer code, it will
dataloc = datalocbase + shiftloc retrieve the values from
..... 'the data table with the screen and
..... paragraph codes
239
SUBSTITUTE SHEET (RULE 26)
f f at different points we will give the
'have to consider a special...

```

15/3K/17 (Item 17 from file: 349) [Links](#)

PCT FULLTEXT

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00386960

MULTIPURPOSE DIGITAL RECORDING METHOD AND APPARATUS AND MEDIA THEREFOR

PROCEDE ET DISPOSITIF POLYVALENT D'ENREGISTREMENT NUMERIQUE ET SUPPORT CORRESPONDANT

Patent Applicant/Patent Assignee:

• **EXABYTE CORPORATION;**

::

	Country	Number	Kind	Date
Patent	WO	9727703	A1	19970731
Application	WO	97US1099		19970124
Priorities	US	9610695		19960126
	US	9610683		19960126
	US	9610682		19960126
	US	9610681		19960126
	US	9610693		19960126
	US	9610680		19960126
	US	9634092		19961230

Designated States: (All protection types applied unless otherwise stated - for applications 2004+)

Publication Language: English

Filing Language:

Fulltext word count: 35073

Claims:

...on the tape.

19 The method of claim 1, further comprising recording

in at least one of the frames one of a plurality of logical elements, the logical elements including one of fixed length data blocks and variable length data blocks, and wherein the frame includes a data access table which describes logical groups therein, each logical group being a sequential grouping of logical elements which possess common attributes.

20 The method of claim 19, further comprising storing

in the data access table a header which has stored SUBSTITUTE SHEET (RULE 26) therein both (1) an address for an initial logical block for a first logical group of the user frame, and (2) a number of entries in the user data table.

21 The method of claim 20, wherein the user data table has an entry for each logical group within the user frame.

22 The method of claim 21, further comprising setting a flag in an entry in the user data if the logical group begins in the user frame.

23 The method of claim 21, further comprising setting a flag in an entry in the user data if the...an order of recording of the user frames on the tape.

38 The memory of claim 24, further comprising one of a plurality of logical elements recorded in at least one of the frames, the logical elements including one of fixed length data blocks and variable length data blocks, and wherein the frame includes a data access table which describes logical groups

therein, each logical group being a sequential grouping of logical elements which possess common attributes. 39. The memory of claim 38, further comprising a header stored in the data access table, the header having stored therein both (1) an address for an initial logical block for a first logical group of the user frame, and (2) a number of entries in the user data table. SUBSTITUTE SHEET (RULE 26)-114

40 The memory of claim 39, wherein the user data table has an entry for each logical group within the user frame.

41 The memory of claim 40, further comprising a flag set in an entry in the user data if the logical group begins in the user frame.

42 The memory of claim 40, further comprising a flag set in an entry in the user data if the ...

15/3K/18 (Item 18 from file: 349) [Links](#)

PCT FULLTEXT

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00386816

METHOD OF CREATING AND SEARCHING A MOLECULAR VIRTUAL LIBRARY USING VALIDATED MOLECULAR STRUCTURE DESCRIPTORS

PROCEDE POUR CREER UNE BIBLIOTHEQUE MOLECULAIRE VIRTUELLE ET PROCEDE POUR Y FAIRE DES RECHERCHES, EN UTILISANT DES DESCRIPTEURS VALIDES DE STRUCTURE MOLECULAIRE

Patent Applicant/Patent Assignee:

• PATTERSON David E;

::

• CRAMER Richard D;

::

• CLARK Robert D;

::

• FERGUSON Allan M;

::

	Country	Number	Kind	Date
Patent	WO	9727559	A1	19970731
Application	WO	97US1491		19970127
Priorities	US	96592132		19960126
	US	96657147		19960603

Designated States: (All protection types applied unless otherwise stated - for applications 2004+)

Publication Language: English

Filing Language:

Fulltext word count: 125926

Detailed Description:

...in the Patterson plot. Although this may appear as a "perfect" metric, it is doubted that this level will be maintained as more and more data sets are added to the validation group. However, it is believed that it will continue to be the strongest of the presently known descriptors. At the present time, the results of performing... the combined descriptor and other possible metrics using the Patterson plot method of this invention and the 20 described data sets result in the following data.

TABLE 4

Patterson Plot Ratios

reference, HB LOGP I MR AP CONN AUTO COMBO

I Uehling 1.83 1.09 1.07 1.55 1.19...

15/3K/19 (Item 19 from file: 349) [Links](#)

PCT FULLTEXT

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00443927

A COMMUNICATION SYSTEM ARCHITECTURE

ARCHITECTURE D'UN SYSTEME DE COMMUNICATION

Patent Applicant/Patent Assignee:

• MCI WORLDCOM INC;

	Country	Number	Kind	Date
Patent	WO	9834391	A2	19980806

Application	WO	98US1868	19980203
Priorities	US	97794555	19970203
	US	97794114	19970203
	US	97794689	19970203
	US	97807130	19970210
	US	97798208	19970210
	US	97795270	19970210
	US	97797964	19970210
	US	97800243	19970210
	US	97798350	19970210
	US	97797445	19970210
	US	97797360	19970210

Designated States: (All protection types applied unless otherwise stated - for applications 2004+)

Publication Language: English

Filing Language:

Fulltext word count: 156226

Detailed Description:

...possible, off the shelf data solutions should be used to meet Data Management needs.

The following principles are stated from an Object-oriented view.

32. **Data items** are the lowest set of persistent objects; these objects encapsulate a single data value.

33. **Data items** may have a user defined type.

34. **Data items** may be created and deleted.

35. **Data items** have only a single get and set method.

36. The internal value of a **data item** is constrained by range restrictions and rules.

37. **Data items** in an invalid state should be inaccessible to users.

7. Operational Support Principles

1. Common View - All ISP 2100 Operational Support User Interfaces should have...to the desired databases, and providing any required policy instructions.

These applications also provide the database access on behalf of the external systems or network **element** such as **Order Entry** or **Switch** requested translations. **Data** applications support the following functionality.

e Updates: allow an application to insert, update, or **delete** data in an ISP database.

*Access requests allow an application to search for data, list multiple items, select items from a list or set, or...

NPL Abstract

Set	Items	Description
S1	44810	SPREADSHEET? ? OR (DATA)()(MATRIX?? OR TABLE OR CHART? ?)
S8	0	S1 AND (AU=HOPKINS, D OR HOPKINS D)

[File 8] **Ei Compendex(R)** 1970-2006/Oct W4
[File 35] **Dissertation Abs Online** 1861-2006/Oct
[File 65] **Inside Conferences** 1993-2006/Nov 03
[File 4] **INSPEC** 1983-2006/Oct W4
[File 94] **JICST-EPlus** 1985-2006/Jul W3
[File 6] **NTIS** 1964-2006/Oct W4
[File 144] **Pascal** 1973-2006/Oct W2
[File 34] **SciSearch(R) Cited Ref Sci** 1990-2006/Oct W5
[File 99] **Wilson Appl. Sci & Tech Abs** 1983-2006/Sep
[File 239] **Mathsci** 1940-2006/Dec
[File 56] **Computer and Information Systems Abstracts** 1966-2006/Oct
[File 57] **Electronics & Communications Abstracts** 1966-2006/Oct
[File 60] **ANTE: Abstracts in New Tech & Engineer** 1966-2006/Oct
[File 583] **Gale Group Globalbase(TM)** 1986-2002/Dec 13

Patent Abstract

Set	Items	Description
S1	8600	SPREADSHEET? ? OR (DATA)()(MATRIX?? OR TABLE OR CHART? ?)
S7	0	S1 AND (AU=HOPKINS, D OR HOPKINS D)

[File 347] **JAPIO** Dec 1976-2006/Jan(Updated 061009)
[File 350] **Derwent WPIX** 1963

Set	Items	Description
S1	8600	SPREADSHEET? ? OR (DATA())(MATRIX?? OR TABLE OR CHART? ?)
S2	1462	S1 AND (DATAFIELD? ? OR TAG? ? OR LABEL? ? OR FIELD? ? OR ELEMENT? ? OR DATA()ITEM? ? OR FIELDNAME? ?)
S3	191209	DELET? OR ERAS? OR PURG? OR DEDUP??? OR (REMOV??? OR TAK???)(OUT)(3N)(DUPLICATE? ? OR COPY OR COPIES OR SAME OR MATCH??? OR REDUNDAN? OR MULTIPLE? ? OR IDENTICAL OR DOUBL??)
S4	4442503	SORT??? OR TABULATE OR RANK? OR INDEX? OR CLASSIF? OR CATALOG??? OR ORDER??? OR ARRANG???? OR CATEGORIZ???? CATEGORIS???? OR GROUP??? OR ORGANIZ??? OR ORGANIS???
S5	117271	(MESSAGE? ? OR DATA OR DATUM OR FILE? ? OR INFORMATION OR DOCUMENT? ? OR RECORD? ? OR ENTIT??? OR CONTENT OR OBJECT? ?)(10N)(TABULAT? OR AGGREGAT??? OR AGGRAGAT??? OR GROUP? OR CLUSTER? OR BATCH?? OR CATEGORY)
S6	4	S2 AND S3 AND S4 AND S5
S8	18	S S1 AND S3 AND S4 AND S5
S9	20	S S2 AND S3 AND S4
S10	7	S S8 NOT PY=1999:2006
S11	16	S S9 NOT S8
S12	2	S S11 NOT PY=1999:2006
S13	7	SORT S10/ALL/PD

[File 347] **JAPIO** Dec 1976-2006/Jan(Updated 061009)

[File 350] **Derwent WPIX** 1963-2006/UD=200670

Higher relevance

d

Subject summary12/3,K/1 (Item 1 from file: 350) [Links](#)

Derwent WPIX

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0007161806 *Drawing available*

WPI Acc no: 1995-200030/

XRPX Acc No: N1995-157146

Multidimensional data display system - has device for rearranging display dimensions and associated dimension elements and display cells to maintain display cell and element association of created data display on rearrangement

Patent Assignee: OCCAM RES CORP (OCCA-N)

Inventor: HAYKOV J; LIU S; POTTS G W; ZAND M

Patent Family (1 patents, 1 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
US 5418898	A	19950523	US 1991741750	A	19910807	199526	B
			US 1993117541	A	19930902		

Priority Applications (no., kind, date): US 1991741750 A 19910807; US 1993117541 A 19930902

Patent Details

Patent Number	Kind	Lan	Pgs	Draw	Filing Notes
US 5418898	A	EN	15	8	Continuation of application US 1991741750

...
has device for rearranging display dimensions and associated dimension elements and display cells to maintain display cell and element association of created data display on rearrangement

Alerting Abstract ...The system includes a device for creating a multidimensional data display having at least three dimension axes, each of which has one or more dimension **elements**. The display has associated display cells having display locations at dimension **element** intersections. Also included is a device for rearranging display dimension axes and the associated dimension **elements** and display cells from first to second display dimension axes, resulting in rearranged display cell locations, to maintain the display cell and **element** association of the created data display on rearrangement... ..The system also incorporates a device for rearranging enabling rearrangement of the display dimension axes and the associated dimension **elements** and display cells between three or more display dimension axes... ..programs. Greater flexibility in form of display, even after template has been established for symmetrical and asymmetrical applications, while allowing user rearrange display dimensions, recorder **elements** within dimension and sort data along dimensional **element**.

Title Terms .../Index Terms/Additional Words: **ELEMENT**;**Original Publication Data by Authority****Original Abstracts:**

A data display system and method that provides for creation of multidimensional data displays in which the dimensions have one or more dimension **elements** and the display has display cells at dimension **element** intersections. Provisions are made for allowing rearrangement of display dimensions, reordering of display **elements**, and **sorting** within any dimension along with the maintenance of topological formulas during insertions, **deletions**, **sorting** and rearrangements. Further included is provision for support of both symmetrical and asymmetrical multidimensional **spreadsheets**.

Claims:

data display system, comprising: means for creating a multidimensional data display having at least three dimension axes, each dimension axis having one or more dimension **elements**, with at least one display axis having primary and secondary dimensions, with one or more secondary dimension **elements** associated with each primary **element**, the display having display cells at dimension **element** intersections; means for altering the number of secondary dimension **elements** or the secondary dimension **order** for at least one primary dimension **element**; means for rearranging display dimension axes and the associated dimension **elements** and display cells from a first display dimension axis to a second display dimension axis to maintain the display cell and **element** association of the created data display on rearrangement, said means for rearranging enabling rearrangement of the display dimension axes and the associated dimension **elements** and display cells between three or more display dimension axes; means for establishing additional display cells with display data derived from other display cells; and means for reordering **elements** within a display dimension axis and the associated display cells to maintain the display cell and **element** association of the created data display.

12/3,K/2 (Item 2 from file: 350) [Links](#)

Derwent WPIX

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0004095423

WPI Acc no: 1987-199742/

Graphical data processing system - addresses data contained in segment table via index listing for high speed updating or erasure

Patent Assignee: HITACHI LTD (HITA)

Inventor: HIGASHINO J; MATSUSHIMA H; MIYATAKE T; OHTANI S

Patent Family (2 patents, 2 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
DE 3643585	A	19870716	DE 3643585	A	19861219	198729	B
US 4803477	A	19890207	US 1986942633	A	19861217	198908	E

Priority Applications (no., kind, date): JP 1985285512 A 19851220

Patent Details

Patent Number	Kind	Lan	Pgs	Draw	Filing Notes
DE 3643585	A	DE	23	12	
US 4803477	A	EN	23		

...

addresses data contained in segment table via index listing for high speed updating or erasure

Alerting Abstract ...The processing system uses a segment table holding the coordinates of characteristic points of the graphical data **elements** obtained by sub-dividing the multi-dimensional coordinate space containing the graphic into cells... The coordinate data for the successive cells are entered in the **data table** under control of an address **data table**, with the **order** of the cells stored in an **index table** contg. the corresp. graphical **element** numbers. The **index table** has a cell indicator table providing the addresses of the stored graphical **element** numbers listed under each cell number ... **ADVANTAGE** - Allows high speed supplement **erasure** of stored data.

Equivalent Alerting Abstract ...data management system includes a segment table in which several kinds of graphic data placed in a multi-dimensional space are stored correspondingly to graphic **element** numbers and an **index table** in which, for each of the cell numbers provided when the multi-dimensional coordinate system is partitioned into predetermined cells and all the graphic **element** numbers at least a part of which included in a cell are stored. The graphic data management system carries out the search, addition and **deletion** referring to a segment table and the **index table**... The **index table** includes a cell pointer table in which pointers indicative of the addresses where the graphic **element** numbers are stored are listed for each cell number, a cell table in which the graphic **element** number and concatenation pointers which indicate the storing addresses of the subsequent graphic **element** numbers are listed as pairs and a space management pointer indicative of the address of a free space area in the cell table.

Title Terms .../Index Terms/Additional Words: **INDEX**; ... **ERASE**

Original Publication Data by Authority

...

Original Abstracts:

data management system including a segment table in which several kinds of graphic data placed in a multi-dimensional space are stored correspondingly to graphic **element** numbers, and an **index table** in which, for each of the cell numbers provided when the multi-dimensional coordinate system is partitioned into predetermined cells, and all the graphic **element** numbers at least a part of which included in a cell are stored. The graphic data management system carries out the search, addition and **deletion** referring to a segment table and the **index table**. The **index table** includes a cell pointer table in which pointers indicative of the addresses where the graphic **element** numbers are stored are listed for each cell number, a cell table in which the graphic **element** number and concatenation pointers which indicate the storing addresses of the subsequent graphic **element** numbers are listed as pairs, and a space management pointer indicative of the address of a free space area in the cell table.

Claims:

1. Verarbeitungssystem für grafische Daten, **gekennzeichnet durch** eine grafische Datentabelle (21, 20-1) zum Speichern der Koordinatendaten charakteristischer Punkte, die grafische **Elemente** bilden, wobei die grafischen **Elemente** durch Zellen laufen, die durch Aufteilen eines Gebiets, in der eine Grafik in einem mehrdimensionalen Koordinatenraum angeordnet ist, in gleiche Teile erhalten werden; eine Adressendatentabelle...

13/3,K/1 (Item 1 from file: 347) [Links](#)

JAPIO

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02968144 **Image available**

COMMUNICATION TERMINAL EQUIPMENT

Pub. No.: 01-265744 [JP 1265744 A]

Published: October 23, 1989 (19891023)

Inventor: SAKAI YASUMASA

Applicant: CANON INC [000100] (A Japanese Company or Corporation), JP (Japan)

Application No.: 63-095307 [JP 8895307]

Filed: April 18, 1988 (19880418)

Journal: Section: E, Section No. 876, Vol. 14, No. 32, Pg. 14, January 22, 1990 (19900122)

ABSTRACT

PURPOSE: To facilitate destination input of multiple address communication when the destination desired for multiple address transmission and the destination registered as a **group** once differ only partly by registering prescribed number of destinations as one destination **group**, **deleting** or adding a prescribed destination in the registered destination **group** and applying the multiple address transmission... ..memory area provided to a facsimile equipment is formed in a RAM provided in a microprocessor system controlling the facsimile equipment and has a destination **data table 1**, a **group data table 2**, a display RAM 3 and a destination **content** expansion RAM 4. Destinations of prescribed number are registered as one destination **group** and prescribed destinations are **deleted** or added in the said registered destination **group** to apply multiple address transmission. Then the destination input of the multiple address communication is facilitated when the destination desired for multiple address transmission and the destination registered as a **group** once differ only partly.

13/3,K/2 (Item 2 from file: 347) [Links](#)

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04258753 **Image available**

EDITING DEVICE HAVING PROTECTING FUNCTION FOR DATA

Pub. No.: 05-250453 [JP 5250453 A]

Published: September 28, 1993 (19930928)

Inventor: YAMANAKA KIYOKAZU

NONOMURA TOMOYUKI

TAKENOUCHI MARIKO

KAJIMOTO KAZUO

Applicant: MATSUSHITA ELECTRIC IND CO LTD [000582] (A Japanese Company or Corporation), JP (Japan)

Application No.: 04-047259 [JP 9247259]

Filed: March 04, 1992 (19920304)

Journal: Section: P, Section No. 1672, Vol. 18, No. 14, Pg. 26, January 11, 1994 (19940111)

ABSTRACT

PURPOSE: To obtain the editing device for data, having various editing functions at a low cost by providing a **data table** part, each attribute setting part of standard, fixation and background, and a background attribute releasing part...

...CONSTITUTION: This device is provided with a standard attribute setting part 103 for setting a protective attribute of a **data table** part 101 to a standard attribute with respect to a **data group** selected by a **data** selecting part 102, a fixed attribute setting part 104 for setting the protective attribute of the **data table** part 101 to a fixed attribute, and a background attribute setting part 105 for setting the protective attribute of the **data table** part 101 to a background attribute, and also, releasing the selection of data by the data selecting part 102, etc. In such a state, data consisting of the standard attribute for showing a fact that the data can execute all editing operations as the protective attribute by the **data table** part 101, the fixed attribute for showing a fact that the data can execute selection and copying but cannot execute **deletion**, movement and deformation, and the background attribute for showing a fact that the data cannot execute the selection are edited by an operator, based on...

13/3,K/3 (Item 3 from file: 347) [Links](#)

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05014270 **Image available**

PROPERTY MANAGEMENT SYSTEM USING PRODUCT INFORMATION AND OPERATION INFORMATION

Pub. No.: 07-306870 [JP 7306870 A]

Published: November 21, 1995 (19951121)

Inventor: UZAWA TORU

YAMADA YUKIO

Applicant: HITACHI LTD [000510] (A Japanese Company or Corporation), JP (Japan)

Application No.: 06-100470 [JP 94100470]

Filed: May 16, 1994 (19940516)

ABSTRACT

PURPOSE: To provide an efficient, high-speed retrieval and update process by managing information on property, which can be **classified** into plural products, divisionally in product units... ..CONSTITUTION: The property information is stored divisionally in a product **data table 102** and operation data tables 104 by products. For the retrieval and update process, a product to be processed is specified in the product **data table 102** and an operation **data table 104** to be accessed is limited by an operation **data table** selecting means 105. For a **batch deleting** process for all property information

regarding, specially, the same product, the table of the object product is **deleted** by an operation **data table deleting** means 108 without scanning the operation **data table**.

13/3,K/4 (Item 4 from file: 347) [Links](#)

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05476345 ****Image available****

CONTROL SYSTEM FOR PRODUCTION SYSTEM

Pub. No.: 09-091145 [JP 9091145 A]

Published: April 04, 1997 (19970404)

Inventor: ISHIKURA TOMOHIKO

Applicant: MEIDENSHA CORP [000610] (A Japanese Company or Corporation), JP (Japan)

Application No.: 07-248919 [JP 95248919]

Filed: September 27, 1995 (19950927)

ABSTRACT

PROBLEM TO BE SOLVED: To enable the addition/erasure/change of a new rule set without changing an existent rule set... **SOLUTION:** A production system composed of rule sets is provided with a **category data table** composed of paired data in a **category ID 15-1** and a rule set 15-2, and rule set control is changed not by the rule set for control but in the **order** of items of the **category ID 15-1** defined in the **category data table** concerning the **execution order** of the rule set 15-2. Thus, the change can be dealt with the addition of the new rules, the addition of a new record to the **data table** and the change of the existent record. Since the rule set for control is not changed, there is no fear of the recompile, single set test of the existent rule set and only the coupling/totalized test may be performed. Besides, the rule sets are **grouped** by a numeral of last one digit of the valid numeral of the category ID 15-1, so that the rule set 15-1 can...

13/3,K/5 (Item 5 from file: 350) [Links](#)

Derwent WPIX

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0008778461 *Drawing available*

WPI Acc no: 1998-322227/

Related WPI Acc No: 1995-161427; 1996-251400; 1999-228881

XRPX Acc No: N1998-252057

DB2 table space recognition method for mainframe - involves assigning name of original data table files to new data table files which are obtained by recognising original data table file in sequential order

Patent Assignee: CDB SOFTWARE INC (CDBS-N)

Inventor: ALEISA E A; BARRY R E

Patent Family (1 patents, 1 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
US 5758357	A	19980526	US 1992889454	A	19920527	199828	B
			US 1993163091	A	19931207		
			US 1996588862	A	19960119		

Priority Applications (no., kind, date): US 1993163091 A 19931207; US 1992889454 A 19920527; US 1996588862 A 19960119

Patent Details

Patent Number	Kind	Lan	Pgs	Draw	Filing Notes
US 5758357	A	EN	39	21	C-I-P of application
					US 1992889454
					Division of application
					US 1993163091
					C-I-P of patent
					US 5408654
					Division of patent
					US 5517641

... involves assigning name of original data table files to new data table files which are obtained by recognising original data table file in sequential order

Alerting Abstract ...The method involves reading original data table files from the DB2 database. The data table files are then recognised into sequential order without disturbing the original data table files. Then, recognised data table files are written into the data base as new data files having different names from the original data table files... The original data table files are then renamed temporarily. Then, new data table files are assigned with the name of the original data table file. The temporarily named data file is then deleted from the database... **ADVANTAGE** - Improves recognition speed of table space and index files. Allows viewing access during recognition.

Title Terms .../Index Terms/Additional Words: **ORDER**

Original Publication Data by Authority

Original Abstracts:

An improved method to dramatically reduce the time required to reorganize DB2 tablespaces and index files by not utilizing conventional sort techniques. Viewing access is allowed during the reorganization process by setting the files to read only status. The process is basically non-destructive, allowing a... Briefly, the original table and indices are considered as A files and read into memory. New row IDs or RIDs are developed using a non-sorting technique so that the proper order of the data is developed. After the new RIDs have been developed, both the clustering index and the

row **data** are read out of memory and written to a new table and **clustering index files** in the proper **order** as **B files**. All of the table files are then stopped to allow exclusive access. Next, a series of AMS statements are built to do the renaming operations... of statements are built to rename all of the A files to X files, to rename all B files to A files and then to **delete** all of the X files. Then any remaining non-**clustering** indices are reorganized using non-**sorting** techniques and renamed in a similar fashion.

Claims:

A method for reorganizing a **data table** and restarting the **data table** reorganization process when interrupted prior to completion, the method comprising the steps of: reorganizing the **data table** comprising the substeps of: reading the original **data table** files from a storage system; reorganizing the **data table** files into sequential **order** without disturbing the original **data table** files; writing said reorganized **data table** files to the storage system as new **data table** files having different names from the original **data table** files; renaming the original **data table** files to temporary names; renaming the new **data table** files to the original **data table** file names; and deleting the temporarily named **data table** files; and restarting the interrupted reorganization step comprising the steps of: determining the substep where the reorganization step was interrupted; and completing the remaining...

13/3,K/6 (Item 6 from file: 347) [Links](#)

JAPIO

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05887484 **Image available**

DATA PREPARING DEVICE FOR INSPECTING CONDUCTION OF MOVABLE PROBE TYPE PRINTED WIRING BOARD

Pub. No.: 10-170584 [JP 10170584 A]

Published: June 26, 1998 (19980626)

Inventor: IWANADE HIDEO

Applicant: MITSUBISHI ELECTRIC CORP [000601] (A Japanese Company or Corporation), JP (Japan)

Application No.: 08-332090 [JP 96332090]

Filed: December 12, 1996 (19961212)

ABSTRACT

...SOLUTION: To a collective solder resist clearance production **data table** using a **data table** production means 2 producing from picture data 101 read with a picture data reading means from a containing file, all pattern picture data not contained in the area of a solder resist clearance rectangular **data table** using a rectangular data generating means 3 converting to the outermost rectangular data with a pattern data survey and conversion means 4 are **deleted** and pattern picture **data group** contacting to each other is converted into a rectangular **data group**. With a part terminals position **data** preparing means 5, the rectangular **data group** is replaced with the total solder resist clearance picture **data** and is prepared as all part terminals position data 102.

13/3,K/7 (Item 7 from file: 347) [Links](#)

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DATA MANAGEMENT SYSTEM

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Inventor: OKADA YOSHIKAZU

Applicant: NEC CORP [000423] (A Japanese Company or Corporation), JP (Japan)

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ABSTRACT

PROBLEM TO BE SOLVED: To make updatable individual data without forcing an operator to handle them, by automatically updating specified individual data when a **data** managing means which manages the individual **data** and **data groups** receives a request to **delete** the specified individual **data**.

...SOLUTION: An information file 20 contains pieces of family data each consisting of individual data and a relationship **data table** showing relationship correspondence as the relativity among the individual data. Then, a data managing means 10 which manages the individual data and family data when receiving a request to **delete** the individual data on the head of a family from the operator automatically updates the individual data on the head of the family. Namely, the individual data on the head of the family are **deleted** from the family data that the individual data on the head of the family data belong to and on the basis of the contents of the relationship **data table** and individual data, other individual data are selected as individual data on the new head of the family.